Annotated for Statistical Reporting Purposes

SECTION XVI

MACHINERY AND MECHANICAL APPLIANCES; ELECTRICAL EQUIPMENT; PARTS THEREOF; SOUND RECORDERS AND REPRODUCERS, TELEVISION IMAGE AND SOUND RECORDERS AND REPRODUCERS, AND PARTS AND ACCESSORIES OF SUCH ARTICLES

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Notes

- 1. This section does not cover:
 - (a) Transmission, conveyor or elevator belts or belting, of plastics of chapter 39, or of vulcanized rubber (heading 4010); or other articles of a kind used in machinery or mechanical or electrical appliances or for other technical uses, of vulcanized rubber other than hard rubber (heading 4016);
 - (b) Articles of leather or of composition leather (heading 4204) or of furskin (heading 4303), of a kind used in machinery or mechanical appliances or for other technical uses;
 - (c) Bobbins, spools, cops, cones, cores, reels or similar supports, of any material (for example, chapter 39, 40, 44 or 48 or section XV):
 - (d) Perforated cards for Jacquard or similar machines (for example, chapter 39 or 48 or section XV);
 - (e) Transmission or conveyor belts or belting of textile material (heading 5910) or other articles of textile material for technical uses (heading 5911);
 - (f) Precious or semiprecious stones (natural, synthetic or reconstructed) of headings 7102 to 7104, or articles wholly of such stones of heading 7116, except unmounted worked sapphires and diamonds for styli (heading 8522):
 - (g) Parts of general use, as defined in note 2 to section XV, of base metal (section XV), or similar goods of plastics (chapter 39);
 - (h) Drill pipe (heading 7304);
 - (ij) Endless belts of metal wire or strip (section XV);
 - (k) Articles of chapter 82 or 83;
 - (I) Articles of section XVII;
 - (m) Articles of chapter 90;
 - (n) Clocks, watches or other articles of chapter 91;
 - (o) Interchangeable tools of heading 8207 or brushes of a kind used as parts of machines (heading 9603); similar interchangeable tools are to be classified according to the constituent material of their working part (for example, in chapter 40, 42, 43, 45 or 59 or heading 6804 or 6909);
 - (p) Articles of chapter 95; or
 - (q) Typewriter or similar ribbons, whether or not on spools or in cartridges (classified according to their constituent material, or in heading 9612 if inked or otherwise prepared for giving impressions).
- 2. Subject to note 1 to this section, note 1 to chapter 84 and to note 1 to chapter 85, parts of machines (not being parts of the articles of heading 8484, 8544, 8545, 8546 or 8547) are to be classified according to the following rules:
 - (a) Parts which are goods included in any of the headings of chapter 84 or 85 (other than headings 8409, 8431, 8448, 8466, 8473, 8485, 8503, 8522, 8529, 8538 and 8548) are in all cases to be classified in their respective headings;
 - (b) Other parts, if suitable for use solely or principally with a particular kind of machine, or with a number of machines of the same heading (including a machine of heading 8479 or 8543) are to be classified with the machines of that kind or in heading 8409, 8431, 8448, 8466, 8473, 8503, 8522, 8529 or 8538 as appropriate. However, parts which are equally suitable for use principally with the goods of headings 8517 and 8525 to 8528 are to be classified in heading 8517;
 - (c) All other parts are to be classified in heading 8409, 8431, 8448, 8466, 8473, 8503, 8522, 8529 or 8538 as appropriate or, failing that, in heading 8485 or 8548.

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Notes (con.)

- 3. Unless the context otherwise requires, composite machines consisting of two or more machines fitted together to form a whole and other machines designed for the purpose of performing two or more complementary or alternative functions are to be classified as if consisting only of that component or as being that machine which performs the principal function.
- 4. Where a machine (including a combination of machines) consists of individual components (whether separate or interconnected by piping, by transmission devices, by electric cables or by other devices) intended to contribute together to a clearly defined function covered by one of the headings in chapter 84 or chapter 85, then the whole falls to be classified in the heading appropriate to that function.
- 5. For the purposes of these notes, the expression "machine" means any machine, machinery, plant, equipment, apparatus or appliance cited in the headings of chapter 84 or 85.

Additional U.S. Note

 For the purposes of this section, the term "printed circuit assembly" means goods consisting of one or more printed circuits of heading 8534 with one or more active elements assembled thereon, with or without passive elements. For the purposes of this note, "active elements" means diodes, transistors and similar semiconductor devices, whether or not photosensitive, of heading 8541, and integrated circuits and microassemblies of heading 8542.

Statistical Note

- 1. Provisions for semiconductor manufacturing and testing machines and apparatus cover products for the growth and processing of semiconductor materials, such as silicon and gallium arsenide, the processing of such materials into semiconductor devices and the testing of such devices (in general the testing equipment, as well as some of the processing equipment, is classified in chapter 90). More specifically the goods include the following:
 - (a) Wafer manufacturing equipment:
 - Crystal growers & pullers. used to produce extremely pure monocrystalline semiconductor boules from which wafers can be sliced. Most common methods employed in these crystal growers and pullers are the Czochralski and float zone methods.
 - (ii) Wafer preparation equipment:
 - (A) Crystal grinders used to grind the crystal boule to precise diameter required for wafers and to grind the flats on the boule to indicate the conductivity type and resistivity of the crystal.
 - (B) Wafer slicing saws used to slice wafers from a boule of monocrystalline semiconductor material.
 - (C) Wafer grinders, lappers and polishers used to prepare the semiconductor wafer for the fabrication process. This involves bringing the wafer within dimensional tolerances. Especially critical is the flatness of its surface.
 - (b) Mask fabrication and repair equipment -
 - (i) Fabrication equipment used to transfer design patterns to a mask or reticle, this equipment generally utilizes optical, electron beam or X-rays to write circuit patterns on photoresist coated substrates. After development, these substrates become the mask or reticle for wafer fabrication.
 - (ii) Repair equipment this equipment generally utilizes focused ion beams or laser beams. They are used directly on the mask or reticle to remove chrome.
 - (c) Wafer fabrication equipment:
 - (i) Film formation equipment used to apply or produce various films on the surface of the wafer during the fabrication process. These films serve as conductors, insulators and semiconductors on the finished device. They may include oxides and nitrides of the substrate surface, metals, and epitaxial layers. The processes and equipments listed below are not necessarily limited to the generation of a particular type of film.
 - (A) Oxidation furnaces used to form a "film" of oxide on the wafer. The oxide is formed by the chemical reaction of the top molecular layers of the wafer with the applied oxygen or steam under heat.
 - (B) Chemical Vapor Deposition (CVD) equipment used to deposit various types of films which are obtained by combining the appropriate gases in a reactant chamber at elevated temperatures. This constitutes a thermochemical vapor-phase reaction. Operations may take place at atmospheric or low pressure (LPCVD) and may use plasma enhancement (PECVD).

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Statistical Note (con.)

- (C) Physical Vapor Deposition (PVD) equipment used to deposit various types of films which are obtained by vaporizing a solid.
 - (1) Evaporation equipment in which the film is generated by heating the source material.
 - (2) Sputtering equipment in which the film is generated by bombarding the source material (target) with ions.
- (D) Molecular Beam Epitaxy (MBE) equipment used to grow epitaxial layers on a heated monocrystalline substrate in an ultrahigh vacuum using beams of molecules. The process is similar to PVD.
- (ii) Doping equipment which is used to introduce dopants into the wafer surface in order to modify the conductivity or other characteristics of a semiconductor layer:
 - (A) Thermal diffusion equipment in which the dopants introduced into the surface of the wafer by the application of gases under high temperatures.
 - (B) Ion Implantation in which the dopants are "driven" into the crystal lattice structure of the surface of the wafer in the form a beam of accelerated ions.
 - (C) Annealing furnaces which are used to repair the crystal lattice structures of the wafer damaged by ion implantation.
- (iii) Etching and stripping equipment used for etching or cleaning surfaces of the wafers.
 - (A) Wet etching equipment in which chemical etching materials are applied by spraying or immersion. Spray etchers provide more uniform results than bath etchers, since they perform the operation on one wafer at a time.
 - (B) Dry plasma etching in which etching materials are presented as gases within a plasma energy field, providing an anisotropic etch profile.
 - (C) Ion beam milling equipment in which ionized gas atoms are accelerated toward the wafer surface. The impact results in the top layer being physically removed from the surface.
 - (D) Strippers or ashers using techniques similar to etching this apparatus removes the spent photoresist from the surface of the wafer after it has served its purpose as a "stencil". This equipment is also used for removal of nitrides, oxides, and polysilicon, with an isotropic etch profile.
- (iv) Lithography equipment used to transfer the circuit designs to the photoresist coated surface of the semiconductor wafer.
 - (A) Equipment for coating wafers with photoresist these include the photoresist spinners which are used to apply liquid photoresist evenly over the surface of the wafer.
 - (B) Equipment for exposing the photoresist coated wafer with the circuit design (or a part thereof):
 - (1) Using a mask or reticle and exposing the photoresist to light (generally ultraviolet) or, in some instances, X-rays:
 - (a) Contact printers where the mask or reticle is in contact with the wafer during exposure.
 - (b) Proximity aligners similar to contact aligners except actual contact doesn't take place between the mask or reticle and the wafer.
 - (c) Scanning aligners which use projection techniques to expose a continuously moving slit across the mask and wafer.
 - (d) Step and repeat aligners which use projection techniques to expose the wafer a portion at a time. Exposure can be by reduction from the mask to the wafer or 1:1. Enhancements include the use of an excimer laser.
 - (2) Direct write on wafer equipment these apparatus operate with no mask or reticle. They use a computer controlled "writing beam" (such as, an electron beam (E-beam), ion beam or laser) to "draw" the circuit design directly on the photoresist coated wafer.
 - Equipment for developing exposed wafers these include chemical baths similar to those used in photographic laboratory applications

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Statistical Note (con.)

- (d) Assembly equipment
 - Dicing equipment these include sawing machines and scribing machines (including laser scribers) and dicing accessories such as wafer breaking equipment.
 - (ii) Die bonding equipment which installs the die to the package by soldering or gluing
 - (iii) Wire bonding equipment used for attaching thin wires or tapes (usually of gold, aluminum or copper) from the die bonding pads to the corresponding pads on the package.
 - (iv) Packaging equipment which are used to encapsulate or package a semiconductor device. They include sealing furnaces, lid welders, plastic encapsulation presses, lead trim and form equipment, package deflashers, and tin dip and solder plate equipment.
- (e) Testing and inspection equipment
 - (i) Optical inspection equipment These include equipment that "examines" portions of the wafer surface and compares them either to a standard pattern or to other portions of the wafer surface.
 - (ii) Electrical testing equipment These include computer controlled systems that test the functions and electrical specifications of semiconductor devices through the application and detection of electrical signals or patterns. Testing is performed on both unencapsulated dice and packaged integrated circuits.

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CHAPTER 84

NUCLEAR REACTORS, BOILERS, MACHINERY AND MECHANICAL APPLIANCES; PARTS THEREOF

XVI 84-1

Notes

- 1. This chapter does not cover:
 - (a) Millstones, grindstones or other articles of chapter 68;
 - (b) Machinery or appliances (for example, pumps) of ceramic material and ceramic parts of machinery or appliances of any material (chapter 69);
 - (c) Laboratory glassware (heading 7017); machinery, appliances or other articles for technical uses or parts thereof, of glass (heading 7019 or 7020);
 - (d) Articles of heading 7321 or 7322 or similar articles of other base metals (chapters 74 to 76 or 78 to 81);
 - (e) Electromechanical domestic appliances of heading 8509; digital cameras of heading 8525; or
 - (f) Hand-operated mechanical floor sweepers, not motorized (heading 9603).
- 2. Subject to the operation of note 3 to section XVI, a machine or appliance which answers to a description in one or more of the headings 8401 to 8424 and at the same time to a description in one or more of the headings 8425 to 8480 is to be classified under the appropriate heading of the former group and not the latter.

Heading 8419 does not, however, cover:

- (a) Germination plant, incubators or brooders (heading 8436);
- (b) Grain-dampening machines (heading 8437);
- (c) Diffusing apparatus for sugar juice extraction (heading 8438);
- (d) Machinery for the heat treatment of textile yarns, fabrics or made up textile articles (heading 8451); or
- (e) Machinery or plant, designed for mechanical operation, in which a change of temperature, even if necessary, is subsidiary.

Heading 8422 does not cover:

- (a) Sewing machines for closing bags or similar containers (heading 8452); or
- (b) Office machinery of heading 8472.

Heading 8424 does not cover:

Ink-jet printing machines (heading 8443 or 8471).

- A machine tool for working any material which answers to a description in heading 8456 and at the same time to a description in heading 8457, 8458, 8459, 8460, 8461, 8464 or 8465 is to be classified in heading 8456.
- 4. Heading 8457 applies only to machine tools for working metal, other than lathes (including turning centers), which can carry out different types of machining operations either:
 - (a) by automatic tool change from a magazine or the like in conformity with a machining program (machining centers),
 - (b) by the automatic use, simultaneously or sequentially, of different unit heads working on a fixed position workpiece (unit construction machines, single station), or
 - (c) by the automatic transfer of the workpiece to different unit heads (multi-station transfer machines).

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Notes (con.)

- 5. (A) For purposes of heading 8471, the expression "automatic data processing machines" means:
 - (a) Digital machines, capable of (1) storing the processing program or programs and at least the data immediately necessary for execution of the program; (2) being freely programmed in accordance with the requirements of the user; (3) performing arithmetical computations specified by the user; and, (4) executing, without human intervention, a processing program which requires them to modify their execution, by logical decision during the processing run;
 - (b) Analog machines capable of simulating mathematical models and comprising at least: analog elements, control elements and programming elements;
 - (c) Hybrid machines consisting of either a digital machine with analog elements or an analog machine with digital elements.
 - (B) Automatic data processing machines may be in the form of systems consisting of a variable number of separate units. Subject to paragraph (E) below, a unit is to be regarded as being a part of a complete system if it meets all the following conditions:
 - (a) It is of a kind solely or principally used in an automatic data processing system;
 - (b) It is connectable to the central processing unit either directly or through one or more other units; and
 - (c) It is able to accept or deliver data in a form (codes or signals) which can be used by the system.
 - (C) Separately presented units of an automatic data processing machine are to be classified in heading 8471.
 - (D) Printers, keyboards, X-Y coordinate input devices and disk storage units which satisfy the conditions of paragraphs (B)(b) and (B)(c) above, are in all cases to be classified as units of heading 8471.
 - (E) Machines performing a specific function other than data processing and incorporating or working in conjunction with an automatic data processing machine are to be classified in the headings appropriate to their respective functions or, failing that, in residual headings.
- Heading 8482 applies, inter alia, to polished steel balls, the maximum and minimum diameters of which do not differ from the nominal diameter by more than 1 percent or by more than 0.05 mm, whichever is less. Other steel balls are to be classified under heading 7326.
- 7. A machine which is used for more than one purpose is, for the purposes of classification, to be treated as if its principal purpose were its sole purpose.
 - Subject to note 2 to this chapter and note 3 to section XVI, a machine the principal purpose of which is not described in any heading or for which no one purpose is the principal purpose is, unless the context otherwise requires, to be classified in heading 8479. Heading 8479 also covers machines for making rope or cable (for example, stranding, twisting or cabling machines) from metal wire, textile yarn or any other material or from a combination of such materials.
- 8. For the purposes of heading 8470, the term "pocket-size" applies only to machines the dimensions of which do not exceed 170 mm x 100 mm x 45 mm.

Subheading Notes

- 1. For the purposes of subheading 8471.49, the term "systems" means automatic data processing machines whose units satisfy the conditions laid down in note 5(B) to chapter 84 and which comprise at least a central processing unit, one input unit (for example, a keyboard or a scanner), and one output unit (for example, a visual display unit or a printer).
- 2. Subheading 8482.40 applies only to bearings with cylindrical rollers of a uniform diameter not exceeding 5 mm and having a length which is at least three times the diameter. The ends of the rollers may be rounded.

Additional U.S. Notes

1. For the purposes of subheadings 8479.89.65 and 8479.89.98, the rate of duty "Free (C)" appearing in the column entitled "1-Special" applies only to the following articles: nonelectric starter motors; propeller regulators, nonelectric; servo-mechanisms, nonelectric; windshield wipers, nonelectric; hydropneumatic accumulators; pneumatic starters for turbojets, turbopropellers, or other gas turbines; toilet units specially designed for aircraft; mechanical actuators for thrust reversers.

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Additional U.S. Notes (con.)

- 2. Subheadings 8473.30.30 and 8473.30.60 cover the following parts of printers of subheading 8471.60:
 - (a) Control or command assemblies, incorporating more than one of the following: printed circuit assembly, hard or flexible (floppy)
 disk drive, keyboard, user interface;
 - (b) Light source assemblies, incorporating more than one of the following: light emitting diode assembly, gas laser, mirror polygon assembly, base casting;
 - (c) Laser imaging assemblies, incorporating more than one of the following: photoreceptor belt or cylinder, toner receptacle unit, toner developing unit, charge/discharge units, cleaning unit;
 - (d) Image fixing assemblies, incorporating more than one of the following: fuser, pressure roller, heating element, release oil dispenser, cleaning unit, electrical control;
 - (e) Ink jet marking assemblies, incorporating more than one of the following: thermal print head, ink dispensing unit, nozzle and reservoir unit, ink heater:
 - (f) Maintenance/sealing assemblies, incorporating more than one of the following: vacuum unit, ink jet covering unit, sealing unit, purging unit;
 - (g) Paper handling assemblies, incorporating more than one of the following: paper transport belt, roller, print bar, carriage, gripper roller, paper storage unit, exit tray;
 - (h) Thermal transfer imaging assemblies, incorporating more than one of the following: thermal print head, cleaning unit, supply or take-up roller;
 - (ij) lonographic imaging assemblies, incorporating more than one of the following: ion generation and emitting unit, air assist unit, printed circuit assembly, charge receptor belt or cylinder, toner receptacle unit, toner distribution unit, developer receptacle and distribution unit, developing unit, charge/discharge unit, cleaning unit; or
 - (k) Combinations of the above specified assemblies.
- 3. For the purposes of subheadings 8466.10.40, 8466.20.40 and 8466.30.45, the expression "machines described in additional U.S. note 3 to chapter 84" means any of the following machines: machines of subheading 8456.10.60; machines of subheading 8456.91; machines of 8456.99.10; machines of subheading 8456.99.70; machines of subheading 8462.21.40 or 8462.29.40; machines of subheading 8464.10 for sawing monocrystal semiconductor boules into slices, or wafers into chips; machines of subheading 8464.20.10; machines of subheading 8464.90.60.

Statistical Note

1. For the purposes of statistical reporting number 8472.90.9540, the term "<u>note counters and note scanners</u>" means document handling machines that count currency bills, bank notes, coupons, script or other value-based paper documents and to stack them in an organized fashion. Note counters and note scanners can both incorporate a sensor for detecting suspect (i.e., counterfeit) documents. Note scanners have additional sensors that enable the machines to distinguish documents by denomination.

	_		1	1	_	
	Stat.		Unit		Rates of Duty	T
J	Suf- fix	Article Description	of Quantity	General	1 Special	2
8401		Nuclear reactors; fuel elements (cartridges), non-irradiated, for nuclear reactors; machinery and apparatus for isotopic separation; parts thereof:				
8401.10.00		Nuclear reactors	t	3.3%	Free (A,CA,E,IL,J, JO,MX)	45%
8401.20.00	00	Machinery and apparatus for isotopic separation, and parts thereof	t	2.6%	Free (A,CA,E,IL,J, JO,MX)	35%
8401.30.00	00	Fuel elements (cartridges), non-irradiated, and parts thereof	x	3.3%	Free (A,CA,E,IL,J, JO,MX)	45%
8401.40.00	00	Parts of nuclear reactors	t	3.3%	Free (A,CA,E,IL,J, JO,MX)	45%
8402		Steam or other vapor generating boilers (other than central heating hot water boilers capable also of producing low pressure steam); super-heated water boilers; parts thereof: Steam or other vapor generating boilers:				
8402.11.00	00	Watertube boilers with a steam production exceeding 45 t per hour	t	5.2% <u>1</u> /	Free (A,CA,E,IL,J, MX) 2.6% (JO)	45%
8402.12.00	00	Watertube boilers with a steam production not exceeding 45 t per hour	t	4.3%	Free (A,CA,E,IL,J, JO,MX)	45%
8402.19.00	00	Other vapor generating boilers, including hybrid boilers	t	5.2%	Free (A,CA,E,IL,J,	45%
8402.20.00	00	Super-heated water boilers	t	3.3%	2.6% (JO) Free (A,CA,E,IL,J, JO,MX)	45%
8402.90.00	10	Parts		4.3%	Free (A,CA,E,IL,J, JO,MX)	45%
	90	Other				
8403 8403.10.00	00	Central heating boilers (other than those of heading 8402) and parts thereof: Boilers	No	Free		45%
	00	Parts				45%
<u>1</u> / See sub	head	ding 9902.84.02.				

•	Stat.		Unit		Rates of Duty	
Subheading	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	
3404		Auxiliary plant for use with boilers of heading 8402 or 8403 (for example, economizers, super-heaters, soot removers, gas recoverers); condensers for steam or other vapor power units; parts thereof:				
3404.10.00		Auxiliary plant for use with boilers of heading 8402 or 8403		3.5%	Free (A,CA,E,IL,J, JO,MX)	45%
	10 50	Economizers	t	5.00/		450/
404.20.00	00	Condensers for steam or other vapor power units	t	5.6%	Free (A,CA,E,IL,J, MX) 2.8% (JO)	45%
3404.90.00	00	Parts	x	3.5%	Free (A,CA,E,IL,J, JO,MX)	45%
3405		Producer gas or water gas generators, with or without their purifiers; acetylene gas generators and similar water process gas generators, with or without their purifiers;				
3405.10.00	00	parts thereof: Producer gas or water gas generators, with or without their purifiers; acetylene gas generators and similar water process gas generators, with or without their				
		purifiers				45%
3405.90.00	00	Parts	X	Free		45%

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J	Stat.		Unit		Rates of Duty	
Subheading	Suf-	Article Description	of	1		2
	fix		Quantity	General	Special	
8406		Steam turbines and other vapor turbines, and parts thereof:				
8406.10 8406.10.10	00	Turbines for marine propulsion: Steam turbines No	6 70/	Eroo /A CA E II	200/	
8406.10.10	00	Steam turbines No	6.7%	Free (A,CA,E,IL	J,MX)	
					3,WA) 3.3% (JO)	
8406.10.90	00	Other	No	Free	3.370 (30)	27.5%
0 100.10.00	00	Other turbines:	140	1100		27.070
8406.81		Of an output exceeding 40 MW:				
8406.81.10		Steam turbines		6.7%	Free (A,CA,E,IL,	20%
					J,MX)	
					3.3% (JO)	
	20	Stationary steam turbines, condensing				
		type	No.			
	70	Other	NI-			
8406.81.90	70 00	OtherOther	NO.	Eroo		27.5%
8406.82	UU	Of an output not exceeding 40 MW:	NO	riee		27.5%
8406.82.10		Steam turbines		6 7%	Free (A,CA,E,IL,	20%
0400.02.10		Otean turbines		0.7 /0	J,MX)	2070
					3.3% (JO)	
		Stationary steam turbines, condensing type:			0.070 (00)	
	10	Not exceeding 7,460 kW	No.			
	20	Exceeding 7,460 kW	No.			
		Other:				
	50	Not exceeding 7,460 kW				
0.400.00.00	70	Exceeding 7,460 kW		_		07.50/
8406.82.90	00	Other	No	Free		27.5%
8406.90		Parts: Of steam turbines:				
8406.90.20	00	Rotors, finished for final assembly	No	6 7%	Free (A,CA,E,IL,J,	20%
6406.90.20	00	Rotors, littistied for final assembly	NO	0.7 70	MX)	20%
					3.3% (JO)	
8406.90.30	00	Rotors, not further advanced than cleaned or			0.070 (00)	
0.00.00.00		machined for removal of fins, gates, sprues,				
		and risers, or to permit location in finishing				
		machinery	No	6.7%	Free (A,CA,E,IL,J,	20%
					MX)	
					3.3% (JO)	
8406.90.40	00	Blades, rotating or stationary	No	6.7%	Free (A,CA,E,IL,J,	20%
					MX)	
0400 00 45		Other		C 70/	3.3% (ĴO)	200/
8406.90.45		Other		0.7%	Free (A,CA,E,IL,J, MX)	20%
					3.3% (JO)	
	40	Rotors or spindles and rotor or spindle			0.070 (00)	
	,,	assemblies	No.			
	80	Other	Χ			
		Other:				
8406.90.50	00	Rotors, finished for final assembly	No	Free		27.5%
8406.90.60	00	Rotors, not further advanced than cleaned or				
		machined for removal of fins, gates, sprues,				
		and risers, or to permit location in finishing	No	Eroo		27 50/
		machinery	No	riee		27.5%
8406.90.70	OΩ	Blades, rotating or stationary	No	Free		27.5%
8406.90.75	00	Other		Free		27.5%
		Ca				
		ı	1	1		I

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	Stat.		Unit		Rates of Duty	
Subheading	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	
3407		Spark-ignition reciprocating or rotary internal combustion piston engines:				
8407.10.00		Aircraft engines		Free		35%
		For use in civil aircraft <u>1</u> /:				
	00	New:	NI-			
	20 40	Less than 373 kW				
	60	Used or rebuilt				
	90	Other				
0.407.04.00		Marine propulsion engines: Outboard motors		.		050/
8407.21.00	40	Less than 22.38 kW		Free		35%
	80	Other				
8407.29.00		Other		Free		35%
	10	Inboard engines with outboard drive	No.			
	20	Inboard engines with inboard drive: Less than 746 W	No			
	30	746 W or greater, but not exceeding	INO.			
			No.			
			l			
,	40	Exceeding 18.65 kW	No.			
		propulsion of vehicles of chapter 87:				
8407.31.00		Of a cylinder capacity not exceeding 50 cc		Free		35%
	40	Less than 746 W	No.			
0.407.00	80	Other	No.			
8407.32		Of a cylinder capacity exceeding 50 cc but not exceeding 250 cc:				
8407.32.10	00	To be installed in tractors suitable for				
			No	Free		Free
0.407.00.00						
8407.32.20		To be installed in vehicles of subheading 8701.20, or heading 8702, 8703 or 8704		Free		35%
	40	Used or rebuilt	No.	riee		35%
	80		-			
8407.32.90		Other		Free		35%
	40	Not exceeding 18.65 kW	No.			
8407.33	80	Exceeding 18.65 kW	INO.			
0407.55		exceeding 1,000 cc:				
8407.33.10		To be installed in tractors suitable for				
		agricultural use		Free		Free
	30	Not exceeding 37.3 kWExceeding 37.3 kW:	NO.			
	60	Air-cooled	No.			
	90	Other	No.			
		To be installed in vehicles of subheading				
8407.33.30		8701.20, or heading 8702, 8703 or 8704: To be installed in vehicles specially				
0407.33.30		designed for traveling on snow, golf				
		carts, non-amphibious all-terrain vehicles				
		and burden carriers		Free		35%
	40 80	Used or rebuilt	No. No.			
8407.33.60	80	Other	INO.	2.5%	Free (A,B,CA,E,IL,	35%
2 .01 .00.00				,	J,JO,MX)	10070
	40	Used or rebuilt	No.		,	
0407 22 02	80	Other	No.	Fron		250/
8407.33.90	40	Other		Free		35%
	80	Exceeding 18.65 kW				
]			
,						
<u>1</u> / See Ger	era	Note 6.				
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Heading/	Stat.		Unit		Rates of Duty	
	Suf-	Article Description	of		1	2
	fix	·	Quantity	General	Special	
8407		Spark-ignition reciprocating or rotary internal combustion				
(con.)		piston engines (con.):				
(0011.)		Reciprocating piston engines of a kind used for the				
		propulsion of vehicles of chapter 87 (con.):				
8407.34		Of a cylinder capacity exceeding 1,000 cc:				
0407.34		Of a cylinder capacity exceeding 1,000 cc. Of a cylinder capacity not exceeding 2,000 cc:				
8407.34.05		To be installed in tractors				
0407.34.03				Free		
	20	suitable for agricultural use		riee		Free
	30	Not exceeding 37.3 kW	No.			
	60	Exceeding 37.3 kW:	Nia			
	60		No.			
	90	Other	No.			
		To be installed in vehicles of subheading				
0.407.04.44		8701.20, or heading 8702, 8703 or 8704:		0.50/	- (4 5 6 4 5 11	050/
8407.34.14	00	Used or rebuilt	No	2.5%	Free (A,B,CA,E,IL,	35%
					J,JO,MX)	
8407.34.18	00	Other	No	2.5%	Free (A,B,CA,E,IL,	35%
					J,JO,MX)	
8407.34.25	00	Other	No	Free		35%
		Of a cylinder capacity exceeding 2,000 cc:				
8407.34.35		To be installed in tractors suitable for				
		agricultural use		Free		Free
	30	Not exceeding 37.3 kW	No.			
		Exceeding 37.3 kW:				
	60		No.			
	90	Other	No.			
		To be installed in vehicles of subheading				
		8701.20, or heading 8702, 8703 or 8704:				
8407.34.44	00	Used or rebuilt	No	2.5%	Free (A,B,CA,E,IL,	35%
					J,JO,MX)	1
8407.34.48	00	Other	No	2.5%	Free (A,B,CA,E,IL,	35%
2 .00 710	55	G		,	J,JO,MX)	
8407.34.55	00	Other	No	Free	0,00,1117()	35%
8407.90	00	Other engines:	140	1166		33 70
8407.90.10		To be installed in agricultural or horticultural				
0407.90.10		mochinery or equipment		Free		Free
		machinery or equipment		riee		riee
	10	Not exceeding 37.3 kW: Less than 4,476 W	No			
	10					
	20	Other	No.			
	00	•	NI-			
	60	Air-cooled				
0.407.00.00	80	Other		F		050/
8407.90.90	4.0	Other		Free		35%
	10	Gas (natural or LP) engines	No.			
		Other:	l			
	20	Less than 746 W	No.			
	40	746 W or greater but less than 4,476 W	No.			
	60	4,476 W or greater but not exceeding				
		18.65 kW	No.			
	80	Exceeding 18.65 kW	No.			
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Heading/	Stat.		Unit	1	Rates of Duty	8
	Siai. Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	1 -
3408		Compression-ignition internal combustion piston engines				
400 40 00		(diesel or semi-diesel engines):		0.50/	F /A OA F. II. I	050/
408.10.00		Marine propulsion engines		2.5%	Free (A,CA,E,IL,J, JO,MX)	35%
	05	Not exceeding 111.9 kW	No.		00,IVIX)	
	15	Exceeding 111.9 kW but not exceeding 149.2 kW .	No.			
	20	Exceeding 149.2 kW but not exceeding 223.8 kW .	No.			
	30 40	Exceeding 223.8 kW but not exceeding 373 kW Exceeding 373 kW but not exceeding 746 kW	No. No.			
	50	Exceeding 746 kW	No.			
408.20		Engines of a kind used for the propulsion of vehicles				
100 00 10		of chapter 87:				
3408.20.10		To be installed in tractors suitable for agricultural use		Free		Free
	40	Not exceeding 37.3 kW	No.	Fiee		riee
	80	Exceeding 37.3 kW	No.			
408.20.20	00	To be installed in vehicles of subheading 8701.20,				
		or heading 8702, 8703 or 8704	No	2.5%	Free (A*,B,CA,E,	35%
3408.20.90	იი	Other	No	2.5%	IL,J,JO,MX) Free (A*,CA,E,IL,	35%
50.20.50	00		. 40	2.070	J,JO,MX)	3070
3408.90		Other engines:			,	
3408.90.10		To be installed in agricultural or horticultural		Free		Free
	40	machinery or equipment		Free		Free
	80	Exceeding 37.3 kW				
408.90.90		Other		Free		35%
	10	Not exceeding 149.2 kW	No.			
	20	Exceeding 149.2 kW but not exceeding 373 kW	No.			
			140.			
	30	Exceeding 373 kW but not exceeding 746 kW .	No.			
	40	Evacading 746 kW but not avacading				
	40	Exceeding 746 kW but not exceeding 1,119 kW	No.			
		1,110 (0)	140.			
	50	Exceeding 1,119 kW	No.			
					1	1

84-10	_			ı	.	
	Stat.	Art L. B	Unit		Rates of Duty	-
Subheading	Suf- fix	Article Description	of Quantity	General	1 Special	2
3409		Parts suitable for use solely or principally with the engines			·	
8409.10.00		of heading 8407 or 8408: For aircraft engines		Free		35%
3409.10.00	40	For use in civil aircraft 1/	ka 	riee		35%
	80	Other	kg			
		Other:	9			
3409.91		Suitable for use solely or principally with				
		spark-ignition internal combustion piston engines				
2400 04 40		(including rotary engines):				
3409.91.10		Cast-iron parts, not advanced beyond cleaning, and machined only for the removal of fins,				
		gates, sprues and risers or to permit location in				
		finishing machinery		Free		10%
	40	For vehicles of subheading 8701.20, or				
		heading 8702, 8703 or 8704	kg			
	60	For marine propulsion engines	ka			
	80	Other	kg			
		Other:	J			
		For vehicles of subheading 8701.20, or				
8409.91.30	ΩΩ	heading 8702, 8703 or 8704: Aluminum cylinder heads	No	2.5%	Free (A,B,CA,E,IL,	35%
5409.91.50	00	Aldifillidiff Cyllider fleads	kg	2.570	J,JO,MX)	33 /6
3409.91.50		Other		2.5%	Free (A*,B,CA,E,	35%
	40	Orange II	No		IL,J,JO,MX)	
	10	Connecting rods	No. kg			
	80	Other				
3409.91.92		For marine propulsion engines		2.5%	Free (A,CA,E,IL,J,	35%
	40	Open a patient and a	NI-		JO,MX)	
	10	Connecting rods	kg			
	90	Other				
8409.91.99		Other		2.5%	Free (A*,CA,E,IL, J,JO,MX)	35%
	10	Connecting rods	No. kg		5,5 5,	
	90	Other	kg			
1/ See Ger	era	Note 6				
<u>1</u> / See Gen	nera	Note 6.				

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Heading/	Stat.		Unit		Rates of Duty	84-1
	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	
8409 (con.)		Parts suitable for use solely or principally with the engines of heading 8407 or 8408 (con.): Other (con.):				
8409.99 8409.99.10	40	For vehicles of subheading 8701.20, or	kg	Free		10%
	60 80	For marine propulsion engines Other	kg kg			
8409.99.91		For vehicles of subheading 8701.20, or heading 8702, 8703 or 8704		2.5%	Free (A*,B,CA,E, IL,J,JO,MX)	35%
	10	Connecting rods	kg		12,0,00,11111,	
8409.99.92	90	Other	kg 	2.5%	Free (A,CA,E,IL,J, JO,MX)	35%
	10 90	Connecting rods	No. kg kg			
8409.99.99	10	Other		Free		35%
0.44.0	90		kg			
8410		Hydraulic turbines, water wheels and regulators therefor; parts thereof: Hydraulic turbines and water wheels:				
8410.11.00		Of a power not exceeding 1,000 kW	No	3.8%	Free (A,CA,E,IL,J, JO,MX)	27.5%
8410.12.00	00	Of a power exceeding 1,000 kW but not exceeding 10,000 kW	No	3.8%	Free (A,CA,E,IL,J, JO,MX)	
8410.13.00		Of a power exceeding 10,000 kW			Free (A,CA,E,IL,J, JO,MX)	
8410.90.00	00	Parts, including regulators	X	3.8%	Free (A,CA,E,IL,J, JO,MX)	27.5%

	Stat.	Artist Donate	Unit		Rates of Duty	
Subheading	Suf- fix	Article Description	of Quantity	General	1 Special	2
3411		Turbojets, turbopropellers and other gas turbines, and parts thereof: Turbojets:				
3411.11.80	00	Of a thrust not exceeding 25 kN: Aircraft turbines Other	No No			35% 35%
411.12 411.12.40 411.12.80	00 00	Of a thrust exceeding 25 kN: Aircraft turbines Other Turbopropellers:	No No			35% 35%
411.21 411.21.40 411.21.80 411.22	00	Of a power not exceeding 1,100 kW: Aircraft turbines Other Of a power exceeding 1,100 kW:	No No	Free Free		35% 35%
411.22.40 411.22.80	00 00	Aircraft turbines				35% 35%
3411.81 3411.81.40 3411.81.80	00 00	Of a power not exceeding 5,000 kW: Aircraft turbines Other	No No		Free (A,CA,E,IL,J, JO,MX)	35% 35%
411.82 411.82.40 411.82.80	00 00	Of a power exceeding 5,000 kW: Aircraft turbines Other		Free 2.5%	Free (A,CA,E,IL,J, JO,MX)	35% 35%
3411.91 3411.91.10		Parts: Of turbojets or turbopropellers: Cast-iron parts, not advanced beyond cleaning, and machined only for the removal of fins, gates, sprues and risers or to permit location in finishing machinery		Free	00;NIX)	10%
	40 60	Parts of nonaircraft turbines	kg kg	Fiee		10%
411.91.90	90 40 80	Other Other Parts of nonaircraft turbines Parts of aircraft turbines	X	Free		35%
411.99 411.99.10		Other: Cast-iron parts, not advanced beyond cleaning, and machined only for the removal of fins, gates, sprues and risers or to permit location in				
	10 40	finishing machinery	Х	Free		10%
411.99.90	80	Other Other Parts of nonaircraft gas turbines:	X 	2.4%	Free (A,C,CA,E,IL, J,JO,MX)	35%
	30	Rotors or spindles and rotor or spindle assemblies	No.			
	60 90	Other				
<u>1</u> / See Ger	eral	Note 6.				

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ŭ	Stat.	Anti-la Dan 111	Unit		Rates of Duty	1 ^
Subheading	Suf-	Article Description	Of Ouantity	General 1	Chaoist	2
	fix		Quantity	General	Special	_
3412		Other engines and motors, and parts thereof:				050/
3412.10.00	40	Reaction engines other than turbojets		Free		35%
	10	Missile and rocket engines				
	90	Other	INO.			
440 04 00		Hydraulic power engines and motors:				27.50/
3412.21.00	15	Linear acting (cylinders)	No.	Free		27.5%
		Tie-rod type	INO.			
	30	Weld fused type	INO.			
	45	Other: Telescoping	No			
	60	Rodless				
	75		No.			
3412.29	73	Other:	INO.			
3412.29.40	00	Hydrojet engines for marine propulsion	No	Free		30%
412.25.40	00	Trydrojet engines for marine propulsion	140	1100		30 70
412.29.80		Other		Free		27.5%
112.20.00		Unlimited rotary acting:		1100		27.070
	15	Gear type	No			
	30	Radial piston type				
	45	Axial piston type	No.			
	60	Other	No.			
	75	Other				
	. •	Pneumatic power engines and motors:				
3412.31.00		Linear acting (cylinders)		Free		27.5%
	40	Tie-rod type	No.			
	80	Other				
412.39.00		Other		Free		27.5%
	40	Unlimited rotary acting				
	80	Other				
3412.80		Other engines and motors:				
3412.80.10	00	Spring-operated and weight-operated motors	No	Free		35%
412.80.90	00	Other		Free		27.5%
3412.90		Parts:				
3412.90.10	00	Of hydrojet engines for marine propulsion	X	Free		30%
412.90.90		Other				27.5%
		Of hydraulic power engines and motors:				
	05	Of linear acting engines and motors	X			
	15	Other	X			
		Of pneumatic power engines and motors:				
	25	Of linear acting engines and motors	X			
	35	Other	X			
	50	Of reaction engines other than turbojets	X			
	80	Other	X			
						1
						1
						1
						1
						1
						1

84-14						
Heading/	Stat.		Unit		Rates of Duty	
Subheading	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	
8413		Pumps for liquids, whether or not fitted with a measuring device; liquid elevators; part thereof: Pumps fitted or designed to be fitted with a measuring device:				
8413.11.00	00	Pumps for dispensing fuel or lubricants, of the type used in filling-stations or in garages	No	Free		35%
8413.19.00	00	Other	No	Free		35%
8413.20.00		Hand pumps, other than those of subheading 8413.11 or 8413.19 No	Free		35%	
8413.30		Fuel, lubricating or cooling medium pumps for internal combustion piston engines:				
8413.30.10	00	Fuel-injection pumps for compression-ignition engines	No	2.5%	Free (A*,B,C,CA,	35%
8413.30.90		Other		2.5%	E,IL,J,JO,MX) Free (A,B,C,CA,E, IL,J,JO,MX)	35%
	30	Fuel pumps	No.		,-,,	
	60	Lubricating pumps	No.			
8413.40.00	90 00	Other	No	Free		35%
8413.50.00	10 50	Other reciprocating positive displacement pumps Oil well and oil field pumps Diaphragm pumps No. Other:	No.	Free		35%
8413.60.00	70 80 90	Hydraulic fluid power pumps: Radial piston type Other Other Other Other otary positive displacement pumps	No. No.	Free		35%
	20 30 40	Hydraulic fluid power pumps: Vane type	No. No.			
	50 70 90	Other: Oil well and oil field pumps Roller pumps Other				

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•	Stat. Suf-	Article Description	Unit of		Rates of Duty	2
Subfleading	fix	Attible Description	Quantity	General	Special	
8413		Pumps for liquids, whether or not fitted with a measuring	,		'	
(con.)		device; liquid elevators; part thereof (con.):				
8413.70 8413.70.10	00	Other centrifugal pumps: Stock pumps imported for use with machines for				
0413.70.10	00	making cellulosic pulp, paper or paperboard	No	Free		35%
		making condicate parp, paper or paperboard	140	1100		0070
3413.70.20				Free		35%
	04	Submersible pumps	No.			
		Single-stage, single-suction, close-coupled:				
	05	With discharge outlet under 5.08 cm in				
		diameter	No.			
	15	With discharge outlet 5.08 cm or over				
	10	in diameter	No.			
		Single-stage, single-suction, frame-				
	22	mounted:				
	22	With discharge outlet under 7.6 cm in diameter	No.			
	25	With discharge outlet 7.6 cm or over in	Nia			
	30	diameter	No. No.			
	40	Multi-stage, single- or double-suction	No.			
	90	Other	No.			
140 04 00		Other pumps; liquid elevators:			250/	
3413.81.00	20	Pumps			35%	
	30	Household water systems, self-contained;	140.			
		and windmill pumps	No.			
	40	Other	No			
3413.82.00	00	Liquid elevators		Free		35%
		Parts:				
3413.91 3413.91.10	00	Of pumps:				
0413.91.10	00	Of fuel-injection pumps for compression-ignition engines	Χ	2.5%	Free (A,B,C,CA,E,	35%
					IL,J,JO,MX)	
3413.91.20	00	Of stock pumps imported for use with				
		machines for making cellulosic pulp, paper or paperboard	X	Free		35%
				1100		3370
3413.91.90		Other		Free		35%
	10 50	Of subheading 8413.30.90	X			
	80	Of hydraulic fluid power pumps Other	X			
413.92.00	00	Of liquid elevators	Χ	Free		35%
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84-16						
•	Stat.		Unit		Rates of Duty	
Subheading	Suf- fix	Article Description	of Quantity	General	1 Special	2
8414		Air or vacuum pumps, air or other gas compressors and fans; ventilating or recycling hoods incorporating a fan, whether or not fitted with filters; parts thereof:				
8414.10.00	00	Vacuum pumps	No	2.5%	Free (A,B,C,CA,E, IL,J,JO,MX)	35%
8414.20.00	00	Hand- or foot-operated air pumps	No	3.7%	Free (A,B,C,CA,E, IL,J,JO,MX)	35%
8414.30		Compressors of a kind used in refrigerating equipment (including air conditioning):			,-,,	
8414.30.40 8414.30.80	00	Not exceeding 1/4 horsepower		Free Free		35% 35%
	10 20	Screw type: Not exceeding 200 horsepower Exceeding 200 horsepower Other:	No. No.			
	30	For all refrigerants except ammonia: For motor vehiclesOther:	No.			
	50	Exceeding 1/4 horsepower but not exceeding 1 horsepower	No.			
	60	Exceeding 1 horsepower but not exceeding 3 horsepower	No.			
	70	Exceeding 3 horsepower but not exceeding 10 horsepower	No.			
3414.40.00	80 90 00	Exceeding 10 horsepower	No. No.			
		for towing	No	2.7%	Free (A,CA,E,IL,J, JO,MX)	35%
8414.51.00		Fans: Table, floor, wall, window, ceiling or roof fans, with a self-contained electric motor of an output not exceeding 125 W		4.7%	Free (A*,C,CA,E, IL, J,JO,MX)	35%
8414.59	30 60 90	For permanent installation: Ceiling fans	No. No. No.		12, 0,00,110,1	
	00	Blowers for pipe organs	No	Free		35%
8414.59.30	00	Turbochargers and superchargers	No	2.3%	Free (A,B,C,CA,E, IL,J,JO,MX)	35%
8414.59.60		Other		2.3%	Free (A,B,C,CA,E, IL,J,JO,MX)	35%
	40	Suitable for use with motor vehicles Other:	No.			
8414.60.00	60 90 95 00	Centrifugal	No. No. No.			
5414.00.00	00	exceeding 120 cm	No	Free		35%
				l	1	

Stati		Unit		Rates of Duty	
Stat. Suf-	Article Description	of		naies oi Duly	2
fix		Quantity	General	Special	1
	Air or vacuum pumps, air or other gas compressors and; fans ventilating or recycling hoods incorporating a fan, whether or not fitted with filters; parts thereof (con.):				
	Other, except parts:				
00	Turbochargers and superchargers				35% 35%
05	Reciprocating: Not exceeding 746 W	No.			
15	Exceeding 746 W but not exceeding 4.48 kW	No.			
25	Exceeding 4.48 kW but not exceeding 8.21 kW	No.			
35	Exceeding 8.21 kW but not exceeding 11.19 kW	No.			
40	Exceeding 11.19 kW but not exceeding 19.4 kW	No.			
45	Exceeding 19.4 kW but not exceeding 74.6 kW	No.			
55	Exceeding 74.6 kW	No.			
60	Not exceeding 11.19 kW	No.			
65	Exceeding 11.19 kW but under 22.38 kW	No.			
70	22.38 kW and over but not exceeding 74.6 kW	No.			
75 80	Other				
85 90	Under 0.57 cubic meters per minute				
05			Free		35%
	Other, including reciprocating and rotary:				
55 65	Exceeding 186.5 kW but not				
75 00			3.7%	Free (A,B,C,CA,E, IL,J,JO,MX)	35%
	15	Air or vacuum pumps, air or other gas compressors and; fans ventilating or recycling hoods incorporating a fan, whether or not fitted with filters; parts thereof (con.): Other, except parts: Air compressors: Turbochargers and superchargers Other Stationary: Reciprocating: Not exceeding 746 W but not exceeding 4.48 kW 25 Exceeding 4.48 kW but not exceeding 8.21 kW but not exceeding 8.21 kW but not exceeding 11.19 kW 40 Exceeding 11.19 kW but not exceeding 19.4 kW 45 Exceeding 74.6 kW Rotary: Not exceeding 11.19 kW 65 Exceeding 11.19 kW 65 Exceeding 11.19 kW 66 Exceeding 74.6 kW Rotary: Not exceeding 11.19 kW 67 Call 38 kW and over but not exceeding 74.6 kW To but under 22.38 kW 70 Call 38 kW and over but not exceeding 74.6 kW Cother Other Other Other Other Other Other Other Other Other compressors Refrigerant recovery units Other: Centrifugal and axial Other, including reciprocating and rotary: Not exceeding 74.6 kW Exceeding 18.5 kW but not exceeding 74.6 kW Exceeding 18.5 kW but not exceeding 74.6 kW Exceeding 18.5 kW but not exceeding 74.6 kW	fix Air or vacuum pumps, air or other gas compressors and; fans ventilating or recycling hoods incorporating a fan, whether or not fitted with filters; parts thereof (con.): Other, except parts: Air compressors: Turbochargers and superchargers Other Stationary: Reciprocating: Not exceeding 746 W but not exceeding 4.48 kW but not exceeding 4.48 kW but not exceeding 8.21 kW No. Exceeding 8.21 kW but not exceeding 11.19 kW but not exceeding 11.19 kW No. Exceeding 19.4 kW but not exceeding 74.6 kW No. Exceeding 74.6 kW No. Rotary: Not exceeding 11.19 kW but not exceeding 71.19 kW No. Exceeding 74.6 kW No. Rotary: Not exceeding 11.19 kW No. Exceeding 74.6 kW No. Cother Portable: Under 0.57 cubic meters per minute No. Other Other Other Other Other Other Refrigerant recovery units No. Other: Centrifugal and axial No. To Exceeding 186.5 kW No. Exceeding 746 kW No. Exceeding 186.5 kW No. Potable: Centrifugal and axial No. Other, including reciprocating and rotary: Not exceeding 746 kW No. Exceeding 746 kW No. Exceeding 746 kW No. Other, including reciprocating and rotary: Not exceeding 186.5 kW No. Exceeding 746 kW No.	Air or vacuum pumps, air or other gas compressors and; fans ventilating or recycling hoods incorporating a fan, whether or not fitted with filters; parts thereof (con.): Other	Air or vacuum pumps, air or other gas compressors and; fans ventillating or recycling hoods incorporating a fan, whether or not filted with filters; parts thereof (con.):

84-18						
	Stat.		Unit		Rates of Duty	
Subheading	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	
3414		Air or vacuum pumps, air or other gas compressors and				
(con.)		fans; ventilating or recycling hoods incorporating a fan,				
		whether or not fitted with filters; parts thereof (con.):				
3414.90		Parts:				
3414.90.10		Of fans (including blowers) and ventilating or		4.70/	Free /^ D C C^ =	250/
		recycling hoods		4.7%	Free (A,B,C,CA,E,	35%
	40	Of fans of subheading 8414.51.00	~		IL,J,JO,MX)	
	40 80	Other	Ŷ			
	00	Of compressors:	^			
3414.90.30	00	Stators and rotors of goods of subheading				
		8414.30	No	Free		35%
8414.90.41		Other		Free		35%
		Of refrigerating and air conditioning				
		compressors:				
	20	Compressor housings	No.			
	40	Other:	۸			
		Other: Of compressors of subheading				
		8414.40:		1		
	45	Compressor housings	No.	1		
	55	Other	Χ			
		Other:				
	65	Compressor housings	No.			
	75	Other		l_		050/
3414.90.90	40	Other		Free		35%
	40 80	Of vacuum pumpsOther	X Y			
	80	Other	^			
				1		
				1		
				1		
				1		
				1		
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Heading/	Stat.		Unit		Rates of Duty	84-
Subheading	Suf-	Article Description	of Overatity	0	1	2
3415	fix	Air conditioning machines, comprising a motor-driven fan	Quantity	General	Special	
3415.10 3415.10.30	40 60	and elements for changing the temperature and humidity, including those machines in which the humidity cannot be separately regulated; parts thereof: Window or wall types, self-contained or "split-system": Self-contained		Free		35%
	80	4.98 kW per hour or greater	No.			
3415.10.60	00	Other: Incorporating a refrigerating unit and a valve for reversal of the cooling/heat	NI.	40/	5 × 4 5 0 0 4	050/
3415.10.90	00	cycle (reversible heat pumps)			Free (A,B,C,CA, E,IL, J,JO,MX) Free (A,B,C,CA,	35% 35%
3415.10.90		Of a kind used for persons, in motor vehicles			E,IL, J,JO,MX) Free (A,B,CA,E,IL,	35%
3415.81.01	00	Other, except parts: Incorporating a refrigerating unit and a valve for reversal of the cooling/heat	140	1.470	J,JO,MX)	33 /0
	10 20	cycle (reversible heat pumps)	No. No.	1%	Free (A,B,C,CA,E, IL,J,JO,MX)	35%
3415.82.01	30	Other Other, incorporating a refrigerating unit Self-contained machines and remote condenser type air conditioners other than	NO.	2.2%	Free (A,B,C,CA,E, IL,J,JO,MX)	35%
	05 10 15 20	year-round units: Not exceeding 17.58 kW per hour Exceeding 17.58 kW per hour Year-round units (heating and cooling): Not exceeding 17.58 kW per hour Exceeding 17.58 kW per hour Room or central station air conditioning units	No. No. No. No.			
	30 35 40	for use with water chillers: Room fan coil units	No. No. No.			
	55	With a rated water removal capacity of less than 35 liters over a 24 hour period	No.			
3415.83.00	60 70	Other	No. No.	1.4%	Free (A,B,C,CA,E,	35%
	50 60 70 90	Heat exchangers including condensing units: Condensing units: Not exceeding 17.58 kW per hour Exceeding 17.58 kW per hour Other Other Other air conditioning machines not incorporating a refrigerating unit	No. No. No.		IL,J,JO,MX)	

84-20						
Heading/	Stat.		Unit		Rates of Duty	
Subheading	Suf-	Article Description	of		1	2
0.445	fix	At 190	Quantity	General	Special	
8415 (con.)		Air conditioning machines, comprising a motor-driven fan and elements for changing the temperature and humidity, including those machines in which the humidity cannot be separately regulated; parts thereof (con.):				
8415.90 8415.90.40	00	Parts: Chassis, chassis bases and outer cabinets	No	1.4%	Free (A,B,C,CA,E, IL,J,JO,MX)	35%
8415.90.80		Other		1.4%	Free (A,B,C,CA,E, IL,J,JO,MX)	35%
	25	Air conditioning evaporator coils Other:			12,0,00,11111	
	45 65 85	Of automotive air conditioners Of heat pumps	X			
	გე	Other	Χ			
8416		Furnace burners for liquid fuel, for pulverized solid fuel or for gas; mechanical stokers, including their mechanical grates, mechanical ash dischargers and similar appliances; parts thereof:				
8416.10.00	00 27.5	Furnace burners for liquid fuel		No	Free	
8416.20.00	40	Other furnace burners, including combination burners	No.	Free		27.5%
8416.30.00	80 00	Other	No.	E		07.50/
8416.90.00	00	mechanical ash dischargers and similar appliances Parts				27.5% 27.5%
8417	00	Industrial or laboratory furnaces and ovens, including	Λ	1100		27.070
8417.10.00	00	incinerators, nonelectric, and parts thereof: Furnaces and ovens for the roasting, melting or other				
0.447.00.00	0.0	heat treatment of ores, pyrites or of metals	No		Free (A,CA,E,IL,J, JO,MX)	45%
8417.20.00 8417.80.00		Bakery ovens, including biscuit ovens Other, except parts			Free (A,CA,E,IL,J, JO,MX) Free (A,CA,E,IL,J,	45% 45%
8417.90.00		Parts			JO,MX) Free (A,CA,E,IL,J,	45%
0417.90.00	00	Tais	X	3.970	JO,MX)	70 /0

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84-21	

Heading/	Stat.		Unit		Rates of Duty	84
Subheading	Suf-	Article Description	of		1	2
1440	fix	Define a state of the same of the same factors of the same of the	Quantity	General	Special	
3418 3418.10.00		Refrigerators, freezers and other refrigerating or freezing equipment, electric or other; heat pumps, other than the air conditioning machines of heading 8415; parts thereof: Combined refrigerator-freezers, fitted with separate external doors		Free		35%
	10	Compression type: Having a refrigerated volume of under	No.			
	20	Having a refrigerated volume of 184 liters and over but under 269 liters	No.			
	30	Having a refrigerated volume of 269 liters and over but under 382 liters	No.			
	40	Having a refrigerated volume of 382 liters and over	No.			
3418.21.00	90	Other	No.	Free		35%
9410.21.00	10	Having a refrigerated volume of under 184 liters	No.	riee		35%
	20	Having a refrigerated volume of 184 liters and over but under 269 liters	No.			
	30	Having a refrigerated volume of 269 liters and over but under 382 liters	No.			
	90	Having a refrigerated volume of 382 liters and over	No.			
3418.22.00	00	Absorption type, electrical	No	1%	Free (A,CA,E,IL,J, JO,MX)	35%
	00		No	1.9%	Free (A,CA,E,IL,J, JO,MX)	35%
3418.30.00	00	Freezers of the chest type, not exceeding 800 liters capacity	No	Free		35%
3418.40.00	00	Freezers of the upright type, not exceeding 900 liters capacity	No	Free		35%
3418.50.00		Other refrigerating or freezing chests, cabinets, display counters, showcases and similar refrigerating or		Free		35%
	40 80	freezing furniture	No. No.	Free		35%

84-22						
Heading/	Stat.		Unit		Rates of Duty	
Subheading	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	
8418		Refrigerators, freezers and other refrigerating or freezing				
(con.)		equipment, electric or other; heat pumps, other than the				
()		air conditioning machines of heading 8415; parts				
		thereof (con.):				
		Other refrigerating or freezing equipment; heat pumps:				
8418.61.00		Compression type units whose condensers are				
0410.01.00		heat exchangers		Free		35%
	40			riee		33%
	40	Finned coil type				
0.440.00.00	80	Other				050/
8418.69.00		Other		Free		35%
		Icemaking machines:				
	10	Self-contained, cube and flake with a				
		capacity not exceeding 227 kg	No.			
	15	Other	No.			
	20	Drinking water coolers, self-contained	No.			
	25	Soda fountain and beer dispensing equipment.	No.			
		Centrifugal liquid chilling refrigerating units:				
	45	Open-type	No.			
	50	Hermetic-type	No.			
	55	Absorption liquid chilling units	No.			
	60	Reciprocating liquid chilling refrigerating units .	No.			
	00		140.			
	00	Other refrigerating or freezing equipment: Household	No.			
	90		-			
	95	Other	No.			
		Parts:				
8418.91.00	00	Furniture designed to receive refrigerating or				
		freezing equipment	Χ	Free		35%
8418.99		Other:				
8418.99.40	00	Door assemblies incorporating more than one				
		of the following: inner panel; outer panel;				
		insulation; hinges; handles	Χ	Free		35%
						00,0
8418.99.80		Other		Free		35%
0110.00.00		Refrigeration condensing units:		. 100		0070
	05	Not exceeding 746 W	No.			
	10	Exceeding 746 W but not exceeding	INO.			
	10		Nia			
		2.2 kW	No.			
		F " 001W1 (/ "				
	15	Exceeding 2.2 kW but not exceeding				
		7.5 kW	No.			
	20	Exceeding 7.5 kW but not exceeding				
			No.			
	25	Exceeding 22.3 kW	No.			
		Other:				
	50	Parts of combined refrigerator-freezers				
	55	fitted with separate external doors and				
			Х			
		parts of household type reingerators	^			
	60	Other	Х			
	υU	Ouler	^			
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	Stat.		Unit		Rates of Duty	
Subheading	Suf-	Article Description	of	0	1	2
110	fix		Quantity	General	Special	
419		Machinery, plant or laboratory equipment, whether or not electrically heated (excluding furnaces, ovens and other				
		equipment of heading 8514), for the treatment of materials				
		by a process involving a change of temperature such as				
		heating, cooking, roasting, distilling, rectifying, sterilizing,				
		pasteurizing, steaming, drying, evaporating, vaporizing,				
		condensing or cooling, other than machinery or plant of a				
		kind used for domestic purposes; instantaneous or				
		storage water heaters, nonelectric; parts thereof:				
		Instantaneous or storage water heaters, nonelectric:				
419.11.00	00		No	Free		45%
419.19.00		0:1		Free		45%
	20	Instantaneous water heaters	No.			
	40		No.			
	60		No.			
419.20.00	00	Medical, surgical or laboratory sterilizers	No	Free		35%
		Dryers:		_		1
419.31.00	00		No	Free		35%
419.32	00	For wood, paper pulp, paper or paperboard:		_		050/
419.32.10	00	For wood				35%
419.32.50	00	Other		Free		35%
419.39.01	40	Other		Free		35%
	40 80	For food and beverages				
419.40.00	00	Other Distilling or rectifying plant	INO.		. Free	
	35%				. 1166	
	40	For food and beverages	No			
	80		No.			
419.50	•	Heat exchange units:				
419.50.10	00	Brazed aluminum plate-fin heat exchangers	No	4.2%	Free (A*,C,CA,E,	35%
		υ τι τι τι γ πιο τι τι τι συ			IL,J,JO,MX)	
419.50.50	00	Other	No	Free	, , , ,	35%
419.60		Machinery for liquefying air or other gases:				
419.60.10	00	Machinery containing brazed aluminum plate-fin				
		heat exchangers	No	4.2%	Free (A*,CA,E,IL,	35%
					J,JO,MX)	
419.60.50	00	Other	No	Free		35%
		Other machinery, plant or equipment:				
419.81		For making hot drinks or for cooking or heating				
440.04.50		food:				250/
419.81.50	40	Cooking stoves, ranges and ovens	No.	Free		35%
	40 80	For use in civil aircraft <u>1</u> /				
419.81.90	00	Other		Free		35%
419.01.90	40	Of a type used in restaurants, hotels or		riee		35%
	40	similar locations	No.			
		Similar locations	NO.			
	80	Other	No.			
419.89		Other:	. 10.			
	00		No	Free		35%
		Other:				
419.89.60	00		No	Free		35%
419.89.95		Other		4.2%	Free (A,CA,E,IL,	35%
		_			J,JO,MX)	
		Designed for cooling:	l			1
	20	For food and beverages				
	40		No.			1
	66	Other:	Na			
	60		No.	1		1
	80 85	For rubber and plastics	No. No.			
	00	roi othei materiais	INU.	1		1
				1		1
				1		1
				1		
1/ See Ger						

•	Stat.	Artiala Dagarintian	Unit		Rates of Duty	<u> </u>
Subheading	Suf- fix	Article Description	of Quantity	General	1 Special	2
3419 (con.)		Machinery, plant or laboratory equipment, whether or not electrically heated (excluding furnaces, ovens and other equipment of heading 8514), for the treatment of materials by a process involving a change of temperature such as heating, cooking, roasting, distilling, rectifying, sterilizing, pasteurizing, steaming, drying, evaporating, vaporizing, condensing or cooling, other than machinery or plant of a kind used for domestic purposes; instantaneous or storage water heaters, nonelectric; parts thereof (con.):				
419.90 419.90.10 419.90.20	00 00	Parts: Of instantaneous or storage water heaters Of machinery and plant for making paper pulp, paper or paperboard				45% 35%
3419.90.30	00	Of heat exchange units	x	Free		35%
3419.90.50	40	Of molten-salt-cooled acrylic acid reactors; of medical, surgical or laboratory sterilizers Of medical, surgical or laboratory sterilizers	Х	Free		35%
419.90.85	80	Other		Free		35%
419.90.95		Other		4%	Free (A,CA,E,IL,	35%
	20	Of an apparatus of a type used in restaurants, hotels or similar locations	X		J,JO,MX)	
	80	Other	Χ			
	00	ů ů	No	3.5%	Free (A,CA,E,IL,J, JO,MX)	40%
420.10.20	00	Calendering or similar rolling machines for making paper pulp, paper or paperboard	No	Free		35%
420.10.90	40	Other Calendering or other rolling machines for rubber and plastics		Free		35%
3420.91	80	Other Parts: Cylinders:				
	00	For calendering or other rolling machines for	No	2.6%	Free (A,CA,E,IL,J, JO,MX)	40%
		machines for making paper pulp, paper or paperboard	No	Free		35%
420.91.90 420.99	00	Other:	No			35%
	00	Of machines for processing textiles	X	3.5%	Free (A,CA,E,IL,J, JO,MX)	40%
3420.99.20	00	Of machines for making paper pulp, paper or paperboard	x	Free		35%
3420.99.90	00	Other	x	Free		35%

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Sub-heading Sub-fix	Heading/	Stat.		Unit		Rates of Duty	84-2
15	J		Article Description			1	2
	8				General	Special	_
## Section of the content of the con	8421		purifying machinery and apparatus, for liquids or gases; parts thereof:	•		·	
Sazing Sazing Spin dryers for semiconductor wafer processing Spin dryers for semiconductor wafer processing No. Free Free Spin dryers for semiconductor wafer processing No. Free Spin dryers for semiconductor wafer processing No. 1.3% Free Spin dryers for semiconductor wafer processing No. 1.3% Free Spin dryers for semiconductor wafer processing No. 1.3% Free Spin dryers for semiconductor wafer processing No. 1.3% Free Spin dryers for semiconductor wafer No. 1.3% Free Spin dryers for semiconductor wafer No. Spin dryers for semiconductor wafer No. Spin dryers for semiconductor wafer No. Free Spin dryers for semiconductor wafer No. Spin dryers for semiconductor wafer			Cream separators				
Section Processing No. Free Processing Proces	8421.19		Other:	No	Free		25%
Filtering or purifying machinery and apparatus for liquids: For filtering or purifying water	8421.19.30	00		No	Free		25%
## Filtering or purifying machinery and apparatus for liquids: For filtering or purifying water	8421.19.90	00	Other	No	1.3%		25%
Section Sect			liquids:			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
8421.23.00 00 Oil or fuel filters for internal combustion engines X 2.5% Free (A,B,C,CA,E, IL,J,JO,MX) 35% 8421.29.00 05 Other No. Free Free (A,B,C,CA,E, IL,J,JO,MX) 35% 15 Other: No. No. No. Other: No. 65 Other: No. No. No. Free (A,B,C,CA,E, IL,J,JO,MX) 35% 8421.39.40 00 Other: No. No. Free (A,B,C,CA,E, IL,J,JO,MX) 35% 8421.39.80 00 Other: No. Free Free (A,B,C,CA,E, IL,J,JO,MX) 35% 8421.39.80 01 Other: No. Free Free (A,B,C,CA,E, IL,J,JO,MX) 35% 8421.39.80 02 Other: No. Free Free (A,B,C,CA,E, IL,J,J,O,MX) 35% 8421.39.80 03 Other: No. Free Free Free (A,B,C,CA,E, IL,J,J,O,MX) 15 IL,J,J,O,MX 35% 15 Other: No. X X X No.			For filtering or purifying beverages other than				
Section Sect			water	No	Free		35%
05	8421.23.00	00	_				35%
15	8421.29.00	05	Refrigerant recovery and recycling units		Free	,	35%
1,000 kPa or greater		15	Oil-separation equipment	No.			
Filtering or purifying machinery and apparatus for gases: Intake air filters for internal combustion engines		40		No.			
8421.39 (2) 00 (2) Intake air filters for internal combustion engines (2) X (2.5%) Free (A,B,C,CA,E, IL,J,JO,MX) 35% (3.5%) 8421.39 (2) 00 (2) Catalytic converters (2) No. Free (2) Free (3.5%) 35% (3.5%) 05 (2) Other (2) Dust collection and air purification equipment: Free (3.5%) 5% (3.5%) 15 (2) Other (3.5%) X X X 15 (2) Other (3.5%) X X 20 (3.0%) Other (3.5%) No.		65	Filtering or purifying machinery and apparatus for	No.			
8421.39 00 Other: Catalytic converters No. Free 35% 8421.39.80 05 Catalytic converters No. Free 35% 05 Dust collection and air purification equipment: For machine tools of headings 8456 through 8465, inclusive X 15 Other X Other: Industrial gas cleaning equipment: No. 20 Other: No. 40 Gas separation equipment No. 60 Other: Pneumatic fluid power filters, rated at 550 kPa or greater No.	8421.31.00	00	gases: Intake air filters for internal combustion engines	X	2.5%		35%
equipment: For machine tools of headings 8456 through 8465, inclusive	8421.39.40	00	Catalytic converters			12,0,00,1101	
Other: Industrial gas cleaning equipment: 20 Electrostatic precipitators No. 30 Other No. 40 Gas separation equipment No. Other: 60 Pneumatic fluid power filters, rated at 550 kPa or greater No.		05	equipment: For machine tools of headings 8456	X			
Industrial gas cleaning equipment: Electrostatic precipitators		15		Χ			
Gas separation equipment No. Other: Pneumatic fluid power filters, rated at 550 kPa or greater No.		20	Industrial gas cleaning equipment:	No.			
Pneumatic fluid power filters, rated at 550 kPa or greater No.			Gas separation equipment				
		60	Pneumatic fluid power filters,	No.			
90 Other		90	Other	Χ			

84-26						
Heading/	Stat.		Unit		Rates of Duty	
	Suf-	Article Description	of			2
g	fix	- r	Quantity	General	Special	1
3421 (con.)		Centrifuges, including centrifugal dryers; filtering or purifying machinery and apparatus, for liquids or gases; parts thereof (con):	Quantity	Contorus	- Openius	
3421.91		Parts: Of centrifuges, including centrifugal dryers:				
3421.91.20	00	Drying chambers for the clothes-dryers of subheading 8421.12 and other parts of clothes-dryers incorporating drying chambers .	x	Free		25%
3421.91.40	00	Furniture designed to receive the clothes-dryers of subheading 8421.12	x	Free		25%
3421.91.60 3421.99.00	00	Other Other	x	Free Free		25% 35%
3421.33.00	40	Parts of machinery and apparatus for filtering or purifying water	х	1100		3370
	80	Other	Х			

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84-27	

Heading/	Stat.		Unit		Rates of Duty	
٠ .	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	
3422		Dishwashing machines; machinery for cleaning or drying				
		bottles or other containers; machinery for filling, closing,				
		sealing or labeling bottles, cans, boxes, bags or other containers; machinery for capsuling bottles, jars, tubes				
		and similar containers; other packing or wrapping				
		machinery (including heat-shrink wrapping machinery);				
		machinery for aerating beverages; parts thereof:				
		Dishwashing machines:				
3422.11.00	00	Of the household type	No	2.4%	Free (A,CA,E,IL,J,	35%
					JÓ,MX)	
	00	Other	No	Free		35%
3422.20.00	00	Machinery for cleaning or drying bottles or other	No	Eroo		35%
		containers	NO	riee		33%
3422.30		Machinery for filling, closing, sealing or labeling bottles,				
		cans, boxes, bags or other containers; machinery for				
		capsuling bottles, jars, tubes and similar containers;				
		machinery for aerating beverages:				
3422.30.11	00	Can-sealing machines				30%
3422.30.91	4.0	Other		Free		35%
	10	Machines for aerating beverages				
	20	Labeling machines	INO.			
		Machinery for filling, closing, sealing,				
		capsuling or labeling bottles, cans				
		or similar containers:				
		Machines for filling, whether or not				
		capable of performing other operations:				
	30	Vacuum or gas packaging	No.			
	40	Other	No.			
		Machines which perform only the				
		following operations: capping, lidding, sealing or closing:				
	50	Vacuum or gas packaging	No			
	60	Other	No.			
	70	Other	No.			
		Machinery for filling, closing, sealing,				
		capsuling or labeling boxes, bags				
	00	or similar containers:				
	80	Machines for opening, filling and closing bags	No.			
		closing bags	INO.			
	90	Other	No.			
3422.40		Other packing or wrapping machinery (including				
		heat-shrink wrapping machinery):				
3422.40.11		Machines for packaging pipe tobacco; machines				
		for wrapping candy; machines for wrapping				
		cigarette packages; and combination candy cutting and wrapping machines		Free		35%
	10		No.	riee		35%
	90	11 3	No.			
422.40.91	00		-	Free		35%
	40		No.			
	80	Other	No.			
					1	I

	Stat.		Unit		Rates of Duty	
Subheading	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	
3422		Dishwashing machines; machinery for cleaning or drying				
con.)		bottles or other containers; machinery for filling, closing,				
		sealing or labeling bottles, cans, boxes, bags or other				
		containers; machinery for capsuling bottles, jars, tubes				
		and similar containers; other packing or wrapping machinery (including heat-shrink wrapping machinery);				
		machinery for aerating beverages; parts thereof (con.):				
3422.90		Parts:				
7.22.00		Of dishwashing machines:				
3422.90.02	00	Water containment chambers for the				
		dishwashing machines of subheading 8422.11				
		and other parts of dishwashing machines				
		of the household type incorporating water		_		
		containment chambers	Х	Free		35%
2422 00 04	00	Door accombling for the dishunghing				
3422.90.04	00	Door assemblies for the dishwashing machines of subheading 8422.11	~	Fron		35%
		machines of subfleading 6422.11	^	riee		35%
3422.90.06		Other		Free		35%
7122.00.00	40	Of the household type	×	1100		0070
	80	Other	x			
3422.90.11	00	Of can-sealing machines	Χ	Free		30%
3422.90.21	00	Of machines for packaging pipe tobacco,				
		wrapping candy or wrapping cigarette				
		packages, and of combination candy cutting and		_		
		wrapping machines	Х	Free		35%
2422 00 04		Othor		Free		250/
3422.90.91	20	Other Of machinery for cleaning or drying bottles or		Free		35%
	20	other containers	×			
		Other containers	^			
		Other:				
	30	Of strapping machines	X			
	60	Of other wrapping and packaging				
		machines	X			
	95	Other	Х			
				1		
				1		
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	Stat.		Unit		Rates of Duty	
Subheading	Suf-	Article Description	of		1	2
1400	fix	Maintin manakinam (s. d. P. d. L.)	Quantity	General	Special	
423.10.00		Weighing machinery (excluding balances of a sensitivity of 5 cg or better), including weight-operated counting or checking machines; weighing machine weights of all kinds; parts of weighing machinery: Personal weighing machines, including baby scales; household scales		Free		45%
	10 30 60	Digital electronic type	No.			
	00	Scales for continuous weighing of goods on conveyors	No	2.9%	Free (A,CA,E,IL,J, JO,MX)	45%
3423.30.00	00	Constant-weight scales and scales for discharging a predetermined weight of material into a bag or container, including hopper scales	No	Free		45%
3423.81.00		Other weighing machinery: Having a maximum weighing capacity not exceeding 30 kg		Free		45%
	10 20 30 40 50	Digital electronic type: Counting scales Retail scales, non-computing Retail scales, computing Other Other	No. No.			
3423.82.00	10	Having a maximum weighing capacity exceeding 30 kg but not exceeding 5,000 kg	No.	Free		45%
3423.89.00	50 10	Other Other Digital electronic type		2.9%	Free (A,CA,E,IL,J, JO,MX)	45%
3423.90.00	50	Other	No.	2.8%	Free (A,CA,E,IL,J, JO,MX)	45%
	40 80	Digital weight indicators			JO,IVIX)	

	Stat. Suf-	Article Description	Unit of		Rates of Duty	2
Subneading	fix	Atticle Description	Of Quantity	General	Special	
3424		Mechanical appliances (whether or not hand operated) for projecting, dispersing or spraying liquids or powders; fire extinguishers, whether or not charged; spray guns and similar appliances; steam or sand blasting machines and similar jet projecting machines; parts thereof:				
3424.10.00 3424.20	00	Fire extinguishers, whether or not charged Spray guns and similar appliances:				35%
3424.20.10		Simple piston pump sprays and powder bellows			Free (A,B,CA,E,IL, J,JO,MX)	45%
3424.20.90 3424.30	00	OtherSteam or sand blasting machines and similar jet projecting machines:	Χ	Free		35%
3424.30.10 3424.30.90		Sand blasting machines	No X	Free Free		Free 35%
3424.81 3424.81.10	00	Agricultural or horticultural: Sprayers (except sprayers, self-contained, having a capacity not over 20 liters)	x	Free		Free
3424.81.90		Other		2.4%	Free (A,CA,E,IL,J, JO,MX)	35%
	10 20 40	Irrigation equipment: Self-propelled, center pivot Other Other: Sprayers, self-contained, having a capacity not over 20 liters	No.		7 - 3 9	
	90	, ,	No.			
424.89 424.89.30	00	Other: Spraying appliances for etching, stripping or	No	Free		35%
3424.89.50	00	Spraying appliances for developing semiconductor wafers; spraying appliances for etching, developing, stripping or cleaning flat panel displays; deflash machines for cleaning and removing contaminants from the metal leads of semiconductor packages prior to the electroplating process (deflash by high pressure spray)	No	Free		35%
424.89.70		Other		1.8%	Free (A,B,CA,E,IL, J,JO,MX)	35%
	10	Sprinkler systems (fire extinguishing equipment)	No.			
3424.90	90	Other				
424.90.05 424.90.10	00 00	Of fire extinguishers			F (A D CA F II	35%
424.90.20	00	bellows Of sand blasting machines			Free (A,B,CA,E,IL, J,JO,MX)	45% Free
3424.90.90	40 80	Other	X	Free		35%

XVI	
84-31	

Heading/	Stat.		Unit		Rates of Duty	84-31
	Siai. Suf-	Article Description	of		1	2
J J	fix		Quantity	General	Special	1
8425		Pulley tackle and hoists other than skip hoists; winches				
		and capstans; jacks:				
		Pulley tackle and hoists other than skip hoists or hoists of a kind used for raising vehicles:				
8425.11.00	00	Powered by electric motor No	Free		35%	
8425.19.00	00	Other	No	Free		35%
8425.20.00	00	Pit-head winding gear; winches specially designed for	NI-	F		050/
		use underground	No	Free		35%
		Other winches; capstans:				
8425.31.00	00	Powered by electric motor No	Free		35%	
8425.39.00	00	Other	No	Free		35%
8425.41.00	00	Jacks; hoists of a kind used for raising vehicles: Built-in jacking systems of a type used in garages.	No	Free		35%
8425.42.00	00			Free		35%
8425.49.00	00		No	Free		35%
8426		Ships' derricks; cranes, including cable cranes; mobile				
0420		lifting frames, straddle carriers and works trucks fitted with				
		a crane:				
		Overhead traveling cranes, transporter cranes, gantry				1
		cranes, bridge cranes, mobile lifting frames and straddle carriers:				
8426.11.00	00	Overhead traveling cranes on fixed support	No	Free		35%
8426.12.00	00	Mobile lifting frames on tires and straddle carriers .	No			35%
8426.19.00	00	Other		Free		35%
8426.20.00 8426.30.00	00					35% 35%
0420.30.00	00	Portal or pedestal jib cranes	NO	riee		35%
8426.41.00		On tires		Free		35%
	05	Works trucks fitted with a crane	No.			
	10	Other:	No			
	10 90	Cable operated				
8426.49.00	00	Other		Free		35%
	10	Cable operated				
	90	Other	No.			
8426.91.00	00	Other machinery: Designed for mounting on road vehicles	No	Free		35%
8426.99.00	00		-	Free		35%
8427		Fork-lift trucks; other works trucks fitted with lifting or				
8427.10		handling equipment: Self-propelled trucks powered by an electric motor:				
8427.10.40	00	Rider-type, counterbalanced fork-lift trucks	No	Free		35%
8427.10.80		Other		Free		35%
	10	Operator riding				
	60 90	Automated guided vehicle (AGV) Other	No. No.			
8427.20	55	Other self-propelled trucks:	. 10.			1
8427.20.40	00	Rider-type, counterbalanced fork-lift trucks		Free		35%
8427.20.80 8427.90.00	00	Other trucks		Free		35% 35%
8427.90.00	00	Other trucks	No	Free		35%
						1
l l				I	I	I

	Stat.		Unit		Rates of Duty	
Subheading	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	
3428		Other lifting, handling, loading or unloading machinery				
100 10 00	00	(for example, elevators, escalators, conveyors, teleferics):				
3428.10.00	00	Passenger or freight elevators other than continuous	NI-	F		050/
		action; skip hoists	No	Free		35%
3428.20.00		Dogumetic elevators and conveyors		Free		35%
420.20.00	10			riee		35%
	10 50	Conveyors	No.			
	50	Elevators Other continuous-action elevators and conveyors,	INO.			
		for goods or materials:				
3428.31.00	00	Specially designed for underground use	No	Free		35%
	00	Other, bucket type No	Free	riee	35%	35%
	00	Other, belt type No		Free	35%	35%
	00			Free		35%
	00	Other Escalators and moving walkways	No			35%
	00		NO	riee		35%
8428.50.00	00	Mine wagon pushers, locomotive or wagon traversers,				
		wagon tippers and similar railway wagon handling	No			250/
		equipment	NO	Free		35%
129 60 00	00	Talafarias abair lifta aki draglinas traction				
8428.60.00	00	Teleferics, chair lifts, ski draglines; traction mechanisms for funiculars	No	Free		35%
		mechanisms for funiculars	NO	riee		35%
2429 00 00		Other mechinery		Free		35%
8428.90.00	02	Other machinery	No.	riee		35%
	02	Of a kind used in charging or discharging furnaces Of a kind used for radioactive materials	No.			
	-		No.			
	06	Woodland log handling equipment (other than	Nie			
		skidders)	No.			
		Other:				
	40		Nia			
	10	Industrial robots				
	20	Oil and gas field machinery	NO.			
	30	Sidebooms and pipehandlers	No.			
	40	Loaders, underground mine type				
	90	Other	No.			
						1
						1
						1
						1
						1
						1
						1
						1
						1
						1
						1
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Heading/	Stat.		Unit	I	Rates of Duty	84-33
Subheading	Suf-	Article Description	of		1	2
J J	fix		Quantity	General	Special	
8429		Self-propelled bulldozers, angledozers, graders, levelers, scrapers, mechanical shovels, excavators, shovel loaders,				
		tamping machines and road rollers:				
		Bulldozers and angledozers:		_		
8429.11.00	10	Track laying		Free		35%
	90	Used or rebuilt				
8429.19.00		Other		Free		35%
	10	New				
8429.20.00	90	Used or rebuilt		Free		35%
8429.30.00	00	Scrapers		Free		35%
		New:				
	20	Not exceeding 13.7 m ³	No.			
	40 60	Exceeding 13.7 m ³				
8429.40.00	00	Tamping machines and road rollers		Free		35%
		New:				
	20	Vibratory				
	40 60	Other	No. No.			
	00	Mechanical shovels, excavators and shovel loaders:	INO.			
8429.51		Front-end shovel loaders:				
8429.51.10		Wheel-type		Free		35%
		New: Integral tractor shovel loaders, rear				
		engine mounted:				
	05	2 wheel drive	No.			
		4 wheel drive with a bucket				
	15	capacity of: Under 1.5 m³	No.			
	10		110.			
	25	At least 1.5 m ³ but under				
		2.2 m ³	No.			
	30	At least 2.2 m³ but under				
		2.9 m ³	No.			
	0.5	At least 0.0 m ³ least a size				
	35	At least 2.9 m³ but under 3.8 m³	No.			
		3.0 111	INO.			
	40	At least 3.8 m ³ but under				
		5.2 m ³	No.			
	45	At least 5.2 m ³ but under				
	٦٥	7.6 m ³	No.			
	50	At least 7.6 m ³ but under 11.4 m ³	No.			
			INO.			
	55	11.4 m ³ and over	No.			
	60	Other	No.			
8429.51.50	65	Used or rebuilt	No.	Free		35%
0429.51.50		New:				33 /0
	10	Less than 44.7 kW	No.			
	20	At least 44.7 kW but under 67.1 kW	No.			
	30 40	At least 67.1 kW but under 93.2 kW At least 93.2 kW but under 119.3 kW	No. No.			
	50	119.3 kW and over	No.		1	
	60	Used or rebuilt	No.		1	
					1	
					1	
					ĺ	

Heading Start	84-34						
Self-propelled bulldozers, angledozers, graders, levelers, scrapers, mechanical shovels, excavators, shovel loaders, tamping machines and road rollers (con.): Mechanical shovels, excavators and shovel loaders (con.): Machinery with a 360° revolving superstructure: Backhoes, shovels, clamshells and draglines	Heading/	Stat.		Unit		Rates of Duty	
Self-propelled bulldozers, angledozers, graders, levelers, scrapers, mechanical shovels, excavators, shovel loaders, tamping machines and road rollers (con.): Mechanical shovels, excavators and shovel loaders (con.): Machinery with a 360° revolving superstructure: Backhoes, shovels, clamshells and draglines			Article Description				2
Self-propelled bulldozers, angledozers, graders, levelers, scrapers, mechanical shovels, excavators, shovel loaders, tamping machines and road rollers (con.): Mechanical shovels, excavators and shovel loaders (con.): Mechanical shovels, excavators and shovel loaders (con.): Machinery with a 360° revolving superstructure: Backhoes, shovels, clamshells and draglines Free	Ĭ		·		General	Special	1
Scrapers, mechanical shovels, excavators, shovel loaders, tamping machines and road rollers (con.): Mechanical shovels, excavators and shovel loaders (con.): Mechanical shovels, excavators and shovel loaders (con.): Machinery with a 360° revolving superstructure: Backhoes, shovels, clamshells and draglines	2420		Self-propelled hulldozers, angledozers, graders, levelers	-		·	
tamping machines and road rollers (con.): Mechanical shovels, excavators and shovel loaders (con.): Machinery with a 360° revolving superstructure: Backhoes, shovels, clamshells and draglines New: Crawler mounted: Hydraulic Other: No. Other: Dichers and trenchers: Ladder type No. Other No.			scraners mechanical shovels excavators shovel loaders				
Mechanical shovels, excavators and shovel loaders (con.): Machinery with a 360° revolving superstructure: Backhoes, shovels, clamshells and draglines New: Crawler mounted: Hydraulic No. Other No.	COII.)		tamping machines and road rollers (con):				
Con.): Machinery with a 360° revolving superstructure: Backhoes, shovels, clamshells and draglines No. No. Other No. Other No. Other: Backhoes, shovels, clamshells and draglines No. No. Other No. Other: Backhoes, shovels, clamshells and draglines No. Other: Backhoes, shovels, clamshells and draglines No. Other: Backhoes, shovels, clamshells and draglines No. Other Other No. Other Other							
Machinery with a 360° revolving superstructure: Backhoes, shovels, clamshells and draglines Says							
Backhoes, shovels, clamshells and draglines New: Crawler mounted: No. No.	2420.52						
New: Crawler mounted: No. No. No. Other: No. No. No. No. Other: No. No			Machinery with a 360° revolving superstructure:				050/
Crawler mounted:	3429.52.10				Free		35%
10							
20							
Other:			Hydraulic				
30		20		No.			
40							
Sade		30	Hydraulic	No.			
Other Othe		40	Other	No.			
10		50	Used or rebuilt	No.			
10	3429.52.50		Other		Free		35%
Section Sect		10					
Other: Backhoes, shovels, clamshells and draglines No. No.							
Backhoes, shovels, clamshells and draglines New: No.	3429 59	•	Other:				
draglines							
New: No. No.	J-23.J3. IU				Free		35%
30 Backhoes No. No. No. No. Other No. Other Service Ditchers and trenchers: Ladder type No. Other No. Other No. Other No. Other No. Other No.					1 100		JJ /6
60		20		Nia			
90							
Other							
New: Ditchers and trenchers: 20 Ladder type No. 40 Other No. 60 Other No.	100 50 50	90		NO.			050/
Ditchers and trenchers: 20	3429.59.50				Free		35%
20 Ladder type No. 40 Other No. 60 Other No.							
40 Other							
60 Other							
60 Other No. Used or rebuilt No.							
80 Used or rebuilt		60	Other	No.			
		80	Used or rebuilt	No.			
							1
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XV	
84-35	

ŭ	Stat.	A 44 5 5 4 4	Unit		Rates of Duty	T -
Subheading	Suf- fix	Article Description	of Quantity	General	Special	2
3430		Other moving, grading, leveling, scraping, excavating,	- Cuarinty		Opena.	
		tamping, compacting, extracting or boring machinery, for				
		earth, minerals or ores; pile-drivers and pile-extractors;				
		snowplows and snowblowers:				
430.10.00	00	Pile-drivers and pile-extractors		Free		35%
430.20.00		Snowplows and snowblowers		Free		35%
	30	Attachment type	No			
	60	Other				
	90	Other				
		Coal or rock cutters and tunneling machinery:				
430.31.00	40	Self-propelled		Free		35%
	40	Rock breaking machines				
430.39.00	80	Other Other		Free		35%
430.39.00	40	Rock breaking machines		1166		33 /6
	80	Other				
		Other boring or sinking machinery:				
430.41.00	00	Self-propelled	No	Free		35%
3430.49		Other:				
3430.49.40	00	Offshore oil and natural gas drilling and	١.	_		450/
		production platforms	kg	Free		45%
3430.49.80		Other		Free		35%
430.49.60		For oil well and gas field drilling:		riee		35%
	10	Rotary	No.			
	20	Other				
		For water well drilling:				
	30	Rotary				
	40	Other				
400 50	50	Other	No.			
3430.50	00	Other machinery, self-propelled:	Na	Free		250/
	00	Peat excavators				35% 35%
9430.30.30	00	Other machinery, not self-propelled:	110	1166		33 /6
430.61.00	00	Tamping or compacting machinery	No	Free		35%
3430.69.01	00	Other		Free		35%
						1
						1
						1
						1
						1
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Marting State St	84-36						
Subheading Suffix Article Description Of Quantity General Special Specia	Heading/			Unit		Rates of Duty	
Fix Quantity General Special	Subheading	Suf-	Article Description	of			2
Parts suitable for use solely or principally with the machinery of headings 8425 to 8430: Of machinery of heading 8425 Of machinery of subheading 8425.11 or 8425.19 X	3				General	Special	
Machinery of headings 8425 to 8430:	Q/21		Parts suitable for use solely or principally with the	,		-1	
Of machinery of heading 8425 Statistical reporting number 8428.90.8006 Statistical reporting number 8428	0431		machinery of headings 8425 to 8430.				
Other	8431 10 00		Of machinery of heading 8425		Free		35%
Other	0431.10.00	10	Of machinery of subheading 8425 11 or 8425 19	X	1100		3370
3431.20.00 00 Of machinery of heading 8427			Other	Ŷ			
Of machinery of heading 8428: Of passenger or freight elevators other than continuous action, skip hoists or escalators Of skip hoists Of escalators Other Other Of elevators and conveyors Other: Of oil and gas field machinery Of the woodland log handling equipment of statistical reporting number 8428.90.8006 Of machinery of heading 8428: Free 35% Free 35% Free 35%	8431 20 00		Of machinery of heading 8427	×	Free		35%
Of passenger or freight elevators other than continuous action, skip hoists or escalators Of skip hoists Of escalators Other Other Of elevators and conveyors Other: Of oil and gas field machinery Of the woodland log handling equipment of statistical reporting number 8428.90.8006 Of passenger or freight elevators other than continuous action, skip hoists or escalators X X Other Tree 35% Free 35% Free 35%	0401.20.00	00	Of machinery of heading 8428:		1100		3370
Continuous action, skip hoists or escalators Continuous action Continuous act	8/31 31 00						
20	0431.31.00		continuous action, skin hoists or ascalators		Free		35%
40		20	Of ekin hoiete	× · · · · · · · · ·	1166		33 70
3431.39.00 60 Other		40	Of accalators	Ŷ			
Other		60	Other	Ŷ			
10 Of elevators and conveyors	8434 30 00	00			Eroo		35%
Other: Of oil and gas field machinery	0431.33.00	10	Of playstors and convoyers		1166		33 /6
50 Of oil and gas field machinery		10	Othor:	^			
70 Of the woodland log handling equipment of statistical reporting number 8428.90.8006 . X		E0	Of all and are field machines.	V			
statistical reporting number 8428.90.8006 . X			Of the consequence of the problem of the consequence of the consequenc	^			
		70	Of the woodland log nandling equipment of	V			
80 Other			statistical reporting number 8428.90.8006.	^			
SU CURIET X		00	Other	l v			
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Heading/	Stat.		Unit	I	Rates of Duty	84-37
Ŭ	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	1 -
8431		Parts suitable for use solely or principally with the				
(con.)		machinery of headings 8425 to 8430 (con.):				
` ,		Of machinery of heading 8426, 8429 or 8430:				
8431.41.00		Buckets, shovels, grabs and grips		Free		35%
	20	Shovel attachments				
	40	Clamshell (grappler) attachments	No.			
	60	Dragline buckets	No.			
8431.42.00	80	Other Bulldozer or angledozer blades	NO.	Eroo		35%
0431.42.00	00	Buildozei of arigiedozei blades	NO	riee		33%
8431.43		Parts for boring or sinking machinery of				
0-1011-10		subheading 8430.41 or 8430.49:				
8431.43.40	00	Of offshore oil and natural gas drilling and				
		productions platforms	Χ	Free		45%
8431.43.80		Other		Free		35%
	00	Of oil and gas field machinery:	NI.			
	20	Tool joints, whether or not forged	No.			
	40 60	Drill pipe fitted with tool joints Other	NO.			
	90	Of other boring or sinking machinery	Ŷ			
8431.49	30	Other:	^			
8431.49.10		Of machinery of heading 8426		Free		35%
	10	Of machinery of subheadings 8426.11,				
		8426.19 and 8426.30	X			
	60	Of mobile lifting frames, straddle carriers				
		and works trucks fitted with a crane	Х			
	00	04	V			
0.404 40 00	90	Other	Х			250/
8431.49.90		Other Attachments for mounting on machinery:		Free		35%
	05	Backhoe attachments	No.			
	10	Front-end loader attachments				
	15	Rippers and rooters				
	20	Other	No.			
		Other:				
		Parts of coal or rock cutters and				
		tunneling machinery:				
	25	Cast axle housings				
	30	Other	Х			
		Parts of backhoes, shovels, clamshells				
	35	and draglines:	No			
	33 40	Cast axle housings Other	X			
	TU	Other:				
	45	Scraper bowls for scrapers of				
		subheadings 8429.30 and				
		8430.62	No.			
	50		X			
	55	Cast axle housings	No.			
	60	Other	X			
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State State State Ancide Description Subheading State Ancide Description Or Ocuanity State of Duty Subheading State Agricultural, horticultural or forestry machinery for soil proparation or cultivation; lawn or sports ground rollers; parts thereof:	84-38						
Fix	Heading/	Stat.		Unit		Rates of Duty	
fix	Subheading	Suf-	Article Description	of		1	2
Picture Pict		fix		Quantity	General	Special	1
Pice	3432		Agricultural, horticultural or forestry machinery for soil	-		•	
Parts thereof: Plows	5102						
Plows							
20	3432.10.00				Free		Free
40		20	Moldboard plows except listers				
10							
Harrows, scarifiers, cultivators, weeders and hoes: Disc harrows Other Cultivators, weeders and hoes: Cultivators, tractor drawn or for tractor mounting Walk behind rotary tillers Other No. Seeders, planters and transplanters Hanners and fertilizer distributors Other machinery No. Free Free Free Free Free Free Free Fr							
Disc harrows		00	Harrows scarifiers cultivators weeders and hoes:	110.			
Other	3432 21 00	ററ		No	Free		Free
Cultivators, weeders and hoes: Cultivators, tractor drawn or for tractor mounting. No. Walk behind rotary tillers. Other. No. Seeders, planters and transplanters. Planters and transplanters. No. Seeders. No. Manure spreaders and fertilizer distributors. No. Free Walk behind rotary tillers. No. Seeders. No. Free Free Free Free Free Gother machinery. Parts. Of plows. Of harrows, scarifiers, cultivators, weeders and hoes. No. Free F		00		_			
40 Cultivators, tractor drawn or for tractor mounting	7-32.23.00				1100		1100
Mounting		40					
60		70		No			
3432.30.00 80 90 Other Other No. Seeders, planters and transplanters Planters and transplanters Planters and transplanters No. Seeders No. Manure spreaders and fertilizer distributors No. Hanure spreaders and fertilizer distributors Other machinery No. Free Free Free Free Free Free Free Fre			mounting	140.			
3432.30.00 80 90 Other Other No. Seeders, planters and transplanters Planters and transplanters Planters and transplanters No. Seeders No. Manure spreaders and fertilizer distributors No. Hanure spreaders and fertilizer distributors Other machinery No. Free Free Free Free Free Free Free Fre		60	Walk behind rotary tillers	No			
3432.30.00 90 Other Seeders, planters and transplanters 10 90 Planters and transplanters No. Seeders No. Manure spreaders and fertilizer distributors No. Free Other machinery Parts Of plows Of plows Of harrows, scarifiers, cultivators, weeders and hoes 30 Of seeders, planters, transplanters, manure spreaders and fertilizer distributors X Of seeders, planters, transplanters, manure spreaders and fertilizer distributors X X							
Seeders, planters and transplanters							
10 Planters and transplanters No. Seeders No. No. Manure spreaders and fertilizer distributors No. Free Other machinery No. Parts Solution No. Of plows X Of harrows, scarifiers, cultivators, weeders and hoes X Of seeders, planters, transplanters, manure spreaders and fertilizer distributors X	2422 20 00	90			Eroo		Eroo
3432.40.00 00 Manure spreaders and fertilizer distributors No. No. Sadaza.80.00 00 Other machinery No. Free Parts Sadaza.80.00 Of plows X Of harrows, scarifiers, cultivators, weeders and hoes X Of seeders, planters, transplanters, manure spreaders and fertilizer distributors X	J43∠.3U.UU	10	Diantore and transplanters	No.	1 166		11166
Additional State of the spreaders and fertilizer distributors State of the spreaders and spreaders and fertilizer distributors State of the spreaders and spread							
Other machinery	2422 40 00		Manura aproaders and fartilizer distributors		Eroo		Eroc
Parts							
Of plows		UU					
15 Of harrows, scarifiers, cultivators, weeders and hoes	5432.90.00	05	Of plants		rree		rree
hoes				^			1
Of seeders, planters, transplanters, manure spreaders and fertilizer distributors		15		V			1
spreaders and fertilizer distributors X			noes	X			
spreaders and fertilizer distributors X			Of any law along the content of the content of				
		30	Of seeders, planters, transplanters, manure				
80 Of other machinery			spreaders and fertilizer distributors	X			
80 Of other machinery X							
		80	Of other machinery	X			
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XVI
81-30

Heading/	Stat.		Unit		Rates of Duty	84-
Subheading	Suf-	Article Description	of	1	1	2
	fix		Quantity	General	Special	
3433		Harvesting or threshing machinery, including straw or				
		fodder balers; grass or hay mowers; machines for cleaning, sorting or grading eggs, fruit or other				
		agricultural produce, other than machinery of heading				
		8437; parts thereof:				
		Mowers for lawns, parks or sports grounds:				
3433.11.00		Powered, with the cutting device rotating in a				
		horizontal plane		Free		30%
	10	Electric mowers, including battery operated	No.			
		Riding mowers, other than electric:	NI.			
	20 30	Under 5.2 kW	No.			
	40	7.46 kW and over	No.			
		Other:	110.			
	50	Under 3.7 kW	No.			
	60	3.7 kW and over	No.			
3433.19.00		Other		Free		30%
	10	Greens mowers				
	20 30	Gang cutting units	NO.			
	30	Other:	INO.			
	40	Gasoline powered	No.			
	50	Other				
3433.20.00		Other mowers, including cutter bars for tractor				
		mounting		Free		Free
	20	Tractor drawn or for tractor mounting:	Na			
	20 40	Rotary cutter type	No.			
	60	Other	No.			
3433.30.00	00	Other haymaking machinery	No	Free		Free
3433.40.00	00	Straw or fodder balers, including pick-up balers	No	Free		Free
		Other harvesting machinery; threshing machinery:		_		1_
8433.51.00	40	Combine harvester-threshers		Free		Free
	10 90	Self-propelled				
8433.52.00	00	Other threshing machinery		Free		Free
8433.53.00	00	Root or tuber harvesting machines		Free		Free
8433.59.00		Other		Free		Free
	10	Field forage harvesters				
0.400.00.00	90	Other	No.			
3433.60.00		Machines for cleaning, sorting or grading		Free		Free
	10	eggs, fruit or other agricultural produce	No.	riee		Free
	90	Other	No.			
3433.90		Parts:				
8433.90.10	00	Of mowers for lawns, parks or sports grounds		Free		30%
8433.90.50		Other		Free		Free
		Of other mowers, harvesting				
	20	machines and threshing machines: Of haying machines and balers	Y			
	40	Other	X			
	60	Of machines for cleaning, sorting or grading				
		eggs	X			
	80	Of machines for cleaning, sorting or grading	V			
		fruit or other agricultural produce	^			1
						1
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84-40 Heading/	Stat.		Unit		Rates of Duty	
ŭ	Suf-	Article Description	of	,	•	2
	fix		Quantity	General	Special	
8434	00	Milking machines and dairy machinery, and parts thereof:	NI-	F		
8434.10.00 8434.20.00	00	Milking machines		Free Free		Free Free
8434.90.00	00	Parts				Free
8435		Presses, crushers and similar machinery, used in the manufacture of wine, cider, fruit juices or similar				
		beverages; parts thereof:				
8435.10.00 8435.90.00	00	Machinery				40% 40%
8436		Other agricultural, horticultural, forestry, poultry-keeping or bee-keeping machinery, including germination plant fitted with mechanical or thermal equipment; poultry incubators and brooders; parts thereof:				
8436.10.00	00	Machinery for preparing animal feeds Poultry-keeping machinery; poultry incubators and brooders:	No	Free		Free
8436.21.00	00	Poultry incubators and brooders	No	Free		Free
8436.29.00	00	Other				Free
8436.80.00		Other machinery				Free
	20	Forestry machinery	No.			
	40 60	Other: Barn and barnyard machines Machines for preparing crops for market or	No.			
		for use	No.			
	70	Other:	No			
	70 90	Bee-keeping machinery	No. No.			
	JU	Parts:	140.			
8436.91.00		Of poultry-keeping machinery or poultry incubators and brooders		Free		Free
	40	Of poultry incubators and brooders	Χ			
	80	Other	X	_		_
8436.99.00	20	Other		Free		Free
	20 30	Of forestry machinery	X			
	35	Of machinery for preparing animal feeds Other:	Х			
	40	Of barn or barnyard machines	X			
	70	Of machines for preparing crops for	V			
	90	market or for use				
	-]			
8437		Machines for cleaning, sorting or grading seed, grain or dried leguminous vegetables, and parts thereof; machinery used in the milling industry or for the working of cereals or dried leguminous vegetables, other than farm type				
0.407.40.00		machinery; parts thereof:				
8437.10.00	00	Machines for cleaning, sorting or grading seed, grain or dried leguminous vegetables	No	Free		35%
8437.80.00		Other machinery		Free		35%
	10	Flour mill and grain mill machines	No.			-575
0.407.00.00	90	Other	No.	_		250/
8437.90.00	10	Parts		Free		35%
	10 90	Of flour mill or grain mill machines				
•			•	•	=	•

Heading/	Stat.		Unit		Rates of Duty	84-41
	Suf-	Article Description	of	,	1	2
	fix		Quantity	General	Special	
8438		Machinery, not specified or included elsewhere in this chapter, for the industrial preparation or manufacture of food or drink, other than machinery for the extraction or preparation of animal or fixed vegetable fats or oils; parts thereof:				
8438.10.00	10 90	, ,		Free		35%
8438.20.00	00	Machinery for the manufacture of confectionery, cocoa or chocolate No	Free		35%	
8438.30.00 8438.40.00		Machinery for sugar manufacture	No No	Free 2.3%	Free (A,CA,E,IL,J, JO,MX)	Free 35%
8438.50.00	4.0	Machinery for the preparation of meat or poultry		2.8%	Free (A,CA,E,IL,J, JO,MX)	35%
8438.60.00	10 90 00	Meat- and poultry-packing plant machinery Other	No.			
0.400 00 00	00	vegetables				35%
8438.80.00 8438.90 8438.90.10		Other machinery				40% Free
8438.90.90	15	Other			Free (A,CA,E,IL,J, JO,MX)	35%
	15	Of bakery machinery and machinery for the manufacture of macaroni, spaghetti or similar products	X			
	30	Of machinery for the manufacture of confectionery, cocoa or chocolate	X			
	60	Of machinery for the preparation of meat or poultry	X			
ı	90	Other	Χ			
8439		Machinery for making pulp of fibrous cellulosic material or for making or finishing paper or paperboard (other than the machinery of heading 8419); parts thereof:				
8439.10.00	10		No.	Free		35%
8439.20.00	90	Machinery for making paper or paperboard	No. 	Free		35%
8439.30.00	90 00	Used or rebuilt	No. No	Free		35%
8439.91		Of machinery for making pulp of fibrous cellulosic materials:				
8439.91.10	00	Bed plates, roll bars and other stock-treating parts	X	Free		20%
8439.91.90 8439.99		OtherOther:				35%
	00	Of machinery for making paper or paperboard . Of machinery for finishing paper or paperboard				35% 35%
		раролосана				3070

84-42				T	_	
	Stat.		Unit		Rates of Duty	T.
Subheading	Suf- fix	Article Description	of Quantity	General	1 Special	2
8440		Bookbinding machinery, including book-sewing machines, and parts thereof:				
8440.10.00 8440.90.00	00	Machinery	No X	Free Free		25% 25%
8441		Other machinery for making up paper pulp, paper or paperboard, including cutting machines of all kinds, and parts thereof:				
8441.10.00 8441.20.00 8441.30.00	00	Cutting machines	No No	Free		35% 35%
8441.40.00	00	Machines for molding articles in paper pulp, paper or paperboard				35%
8441.80.00 8441.90.00	00 00	Other machinery	No X	Free Free		35% 35%
8442		Machinery, apparatus and equipment (other than the machine tools of headings 8456 to 8465), for type-founding or typesetting, for preparing or making printing blocks, plates, cylinders or other printing components; printing type, blocks, plates, cylinders and other printing components; blocks, plates, cylinders and lithographic stones, prepared for printing purposes (for example, planed, grained or polished); parts thereof:				
8442.10.00 8442.20.00	00 00	Phototypesetting and composing machines	No			Free Free
8442.30.00	00	Other machinery, apparatus and equipment				Free
8442.40.00	00	Parts of the foregoing machinery, apparatus or equipment				Free
8442.50		Printing type, blocks, plates, cylinders and other printing components; blocks, plates, cylinders and lithographic stones, prepared for printing purposes (for example, planed, grained or polished):				
8442.50.10	10	Plates		Free		25%
8442.50.90	90	Other	No. 	4%	Free (A,CA,E,IL,J, JO,MX)	60%
	10	Planed, grained, polished or otherwise prepared for engraving or impressing	No.			
	90	Other	No.			

XVI

ŭ	Stat.		Unit		Rates of Duty	
Subheading	Suf- fix	Article Description	of Quantity	General	1 Special	2
443	IIX	Printing machinery used for printing by means of printing type, blocks, plates, cylinders and other printing components of heading 8442; ink-jet printing machines, other than those of heading 8471; machines for uses ancillary to printing; parts thereof:	Quantity	General	Special	
443.11 443.11.10	00	Offset printing machinery: Reel-fed: Double-width newspaper printing presses	No	3.3%	Free (A,CA,E,IL, J,JO,MX)	25%
443.11.50 443.12.00	00 00	Other Sheet-fed, office type (sheet size not exceeding 22 x 36 cm)	No		J,JO,IVIX)	25% 25%
443.19 443.19.10 443.19.50		Other: Weighing 900 kg or less	No	Free		25% 25%
443.19.90	00	Weighing 1,600 kg or more	No			25%
443.21.00	00	printing: Reel-fed	No		Free (A,CA,E,IL,J, JO,MX)	25%
443.30.00	00	Flexographic printing machinery		2.2%	Free (A,CA,E,IL,J, JO,MX)	25% 25%
443.40.00	00	Gravure printing machinery Other printing machinery:	No	2.2%	Free (A,CA,E,IL,J, JO,MX)	25%
3443.51 3443.51.10		Ink-jet printing machinery: Textile printing machinery			Free (A,CA,E,IL, J,JO,MX)	40%
3443.51.50 3443.59 3443.59.10		Other Other: Textile printing machinery			Free (A,CA,E,IL,	25% 40%
3443.59.90 3443.60.00 3443.90	00 00	Other	X	Free Free	J,JO,MX)	25% 25%
3443.90.10 3443.90.90		Of textile printing machinery			Free (A,CA,E,IL,J, JO,MX)	40% 25%

ŭ	Stat.		Unit		Rates of Duty	
Subheading	Suf- fix	Article Description	of Quantity	General	1 Special	2
3444.00.00	11/	Machines for extruding, drawing, texturing or cutting	Quantity	Jonolai	Орсыа	
		man-made textile materials		Free		40%
	10	3 3	No.			
	90	Other	No.			
8445		Machines for preparing textile fibers; spinning, doubling or				
31.0		twisting machines and other machinery for producing				
		textile yarns; textile reeling or winding (including weft				
		winding) machines and machines for preparing textile				
		yarns for use on the machines of heading 8446 or 8447:				
8445.11.00	00	Machines for preparing textile fibers: Carding machines	No	Free		40%
8445.12.00	00	Combing machines	No			40%
8445.13.00	00	Drawing or roving machines	No	Free		40%
8445.19.00		Other		3.3%	Free (A,CA,E,IL,J,	40%
	40	Cotton gins	No		JO,MX)	
	80	Other	No.	1		
8445.20.00	00	Textile spinning machines	No	Free		40%
8445.30.00		Textile doubling or twisting machines		Free		40%
	10		No.			
8445.40.00	90 00	Other	No.			
U-1-1J.4U.UU	00	Textile winding (including weft winding) or reeling machines	No	3.7%	Free (A,CA,E,IL,J,	40%
					JÒ,MX)	
8445.90.00	00	Other	No	3.7%	Free (A,CA,E,IL,J,	40%
					JO,MX)	
3446		Weaving machines (looms):				
8446.10.00		For weaving fabrics of a width not exceeding 30 cm		Free		40%
	10	Power looms	No.			
	90	Other	No.	1		
		For weaving fabrics of a width exceeding 30 cm, shuttle type:		1		
8446.21		Power looms:				
8446.21.10	00	For weaving fabrics of a width exceeding		l _		
		4.9 m	No	Free		40%
8446.21.50	იი	Other	No	3.7%	Free (A,CA,E,IL,	40%
					J,JO,MX)	1.0,0
8446.29.00	00	Other	No	Free		40%
8446.30		For weaving fabrics of a width exceeding 30 cm,				
8446.30.10		shuttleless type: Power looms for weaving fabrics of a width		1		
J . 1 1 U.JU. 1U		exceeding 4.9 m		Free		40%
	10	Rapier type	No.	1		1.070
	20	Jet type	No.			
0446 20 50	30	Other	No.	2 70/	Fron (A CA F II	400/
8446.30.50		Other		3.7%	Free (A,CA,E,IL, J,JO,MX)	40%
	10	Rapier type	No.		3,33,14174)	
	20	Jet type	No.			
	30	Other	No.	1		
				1		
				1		
				1		
				1		
				1		
		[1	I	I

Heading/	Stat.		Unit		Rates of Duty	84-4
~	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	
8447		Knitting machines, stitch-bonding machines and machines for making gimped yarn, tulle, lace, embroidery, trimmings, braid or net and machines for tufting: Circular knitting machines:				
8447.11 8447.11.10 8447.11.90	00	With cylinder diameter not exceeding 165 mm: For knitting hosiery	No	Free Free		40% 40%
	10 20 90	Open-top cylinder machines	No. No.			1.070
8447.12 8447.12.10 8447.12.90	00	With cylinder diameter exceeding 165 mm: For knitting hosiery		Free Free		40% 40%
	10 20 90	Open-top cylinder machines	No.			
8447.20 8447.20.20	00	Flat knitting machines; stitch-bonding machines: V-bed flat knitting machines: Power driven flat knitting machines over				
		50.8 cm in width	No	Free		40%
8447.20.30		Other			Free (A,CA,E,IL, J,JO,MX)	40%
8447.20.40 8447.20.60 8447.90	00	Warp knitting machines	No	Free		40% 40%
8447.90.10 8447.90.50 8447.90.90	00 00 00	Braiding and lace-braiding machines Embroidery machines Other	No	Free		40% 30% 40%
8448 8448.11.00	00	Auxiliary machinery for use with machines of heading 8444, 8445, 8446 or 8447 (for example, dobbies, Jacquards, automatic stop motions and shuttle changing mechanisms); parts and accessories suitable for use solely or principally with the machines of this heading or of heading 8444, 8445, 8446 or 8447 (for example, spindles and spindle flyers, card clothing, combs, extruding nipples, shuttles, healds and heald-frames, hosiery needles): Auxiliary machinery for machines of heading 8444, 8445, 8446 or 8447: Dobbies and Jacquards; card reducing, copying,				
		punching or assembling machines for use therewith	X	Free		40%
8448.19.00 8448.20	00	Parts and accessories of machines of heading 8444	x	Free		40%
8448.20.10	00	or of their auxiliary machinery: Of machines for extruding or drawing man-made textile filaments	x	3.7%	Free (A,CA,E,IL,J,	40%
3448.20.50		Other		3.3%	JO,MX) Free (A,CA,E,IL,J, JO,MX)	40%
	10 90	Of texturing machines	X			

84-46						
Heading/	Stat.		Unit		Rates of Duty	
Subheading	Suf- fix	Article Description	of Quantity	General	1 Special	2
8448 (con.)		Auxiliary machinery for use with machines of heading 8444, 8445, 8446 or 8447 (for example, dobbies, Jacquards, automatic stop motions and shuttle changing mechanisms); parts and accessories suitable for use solely or principally with the machines of this heading or of heading 8444, 8445, 8446 or 8447 (for example, spindles and spindle flyers, card clothing, combs, extruding nipples, shuttles, healds and heald-frames, hosiery needles) (con.): Parts and accessories of machines of heading 8445				
8448.31.00	00	or of their auxiliary machinery: Card clothing	$m^2 \ldots \ldots$	3.3%	Free (A,CA,E,IL,J, JO,MX)	45%
8448.32.00	10 90	Of machines for preparing textile fibers, other than card clothing	X	Free	CO, WIN	40%
8448.33.00	00	Spindles, spindle flyers, spinning rings and ring travellers	x	3.3%	Free (A,CA,E,IL,J, JO,MX)	40%
8448.39 8448.39.10	00	Other: Parts of spinning, doubling or twisting machines	x	Free		40%
8448.39.50	00	Parts of winding or reeling machines	X	3.7%	Free (A,CA,E,IL,J,	40%
8448.39.90	00	Other Parts and accessories of weaving machines (looms) or of their auxiliary machinery:	x	Free	JO,MX)	40%
8448.41.00	00	Shuttles	x	3.7%	Free (A,CA,E,IL,J, JO,MX)	40%
8448.42.00	00	Reeds for looms, healds and heald-frames	X	3.7%	Free (A,CA,E,IL,J, JO,MX)	40%
8448.49.00 8448.51	00	Other	X	Free	, , , ,	40%
8448.51.10	00	Needles for knitting machines: Latch needles	thousand	Free		\$2/1,000 + 60%
8448.51.20	00	Spring-beard needles	thousand	Free		\$1.50/1,000 + 50%
8448.51.30	00	Other				\$1.15/1,000 + 40%
8448.51.50 8448.59		Other Other:		Free		40%
8448.59.10 8448.59.50	00	Parts of knitting machinesOther	X X	Free Free		40% 40%

XVI	
84-47	

Heading/	Stat.		Unit		Rates of Duty	84
•	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	
3449.00		Machinery for the manufacture or finishing of felt or nonwovens in the piece or in shapes, including machinery for making felt hats; blocks for making hats; parts thereof:				
3449.00.10		Finishing machinery and parts thereof			Free (A,CA,E,IL,J, JO,MX)	40%
449.00.50	00	Other	Χ	Free		40%
3450		Household- or laundry-type washing machines, including machines which both wash and dry; parts thereof: Machines, each of a dry linen capacity not exceeding 10 kg:				
3450.11.00		Fully automatic machines		1.4%	Free (A,CA,E,IL,J, JO,MX)	35%
	10	Coin operated			·	
	40 80	Top Loading	No. No.			
3450.12.00	00	OtherOther machines with built-in centrifugal dryer	No	2.6%	Free (A,CA,E,IL,J, JO.MX)	40%
3450.19.00	00	Other	No	1.8%	Free (A,CA,E,IL,J, JO,MX)	35%
3450.20.00		Machines, each of a dry linen capacity exceeding		40/	, ,	050/
		10 kg		1%	Free (A,CA,E,IL,J, JO,MX)	35%
	10		No.		00,1017()	
450.00	90	Other	No.			
450.90 450.90.20	00	Parts: Tubs and tub assemblies	x	2.6%	Free (A*,CA,E,IL, J, JO,MX)	40%
450.90.40	00	Furniture designed to receive the machines of subheadings 8450.11 through 8450.20, inclusive	X	2.6%	Free (A,CA,E,IL,J,	40%
3450.90.60	00	Other	V	0.007	JO,MX) Free (A,CA,E,IL,J,	40%
					JÒ,MX)	

84-48						
Heading/	Stat.		Unit		Rates of Duty	
Subheading	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	
8451		Machinery (other than machines of heading 8450) for washing, cleaning, wringing, drying, ironing, pressing (including fusing presses), bleaching, dyeing, dressing, finishing, coating or impregnating textile yarns, fabrics or made up textile articles and machines for applying the paste to the base fabric or other support used in the manufacture of floor coverings such as linoleum; machines for reeling, unreeling, folding, cutting or pinking textile fabrics; parts thereof:				
8451.10.00	00	Dry-cleaning machines	No	Free		35%
8451.21.00		Each of a dry linen capacity not exceeding 10 kg		3.4%	Free (A,CA,E,IL,J, JO,MX)	40%
8451.29.00	10 90	Coin operated	No.	2.6%	Free (A,CA,E,IL,J, JO,MX)	40%
8451.30.00	10 90 00	For drying made up articles	No.	F.v.	JO,IWIX)	050/
8451 40 00	00	presses)			Fron (A CA E II I	35%
8451.40.00 8451.50.00		Washing, bleaching or dyeing machines Machines for reeling, unreeling, folding, cutting or	INU	3.0%	Free (A,CA,E,IL,J, JO,MX)	40%
		pinking textile fabrics				40%
8451.80.00	00	Other machinery	No	3.5%	Free (A,CA,E,IL,J, JO,MX)	40%
8451.90 8451.90.30	00	Parts: Drying chambers for the drying machines of subheading 8451.21 or 8451.29, and other parts of drying machines incorporating drying chambers.	x	3.5%		40%
8451.90.60	00	Furniture designed to receive the drying machines of subheading 8451.21 or 8451.29	Χ	3.5%	JO,MX) Free (A,CA,E,IL,J,	40%
8451.90.90		Other		3.5%	JÓ,MX) Free (A,CA,E,IL,J,	
	10	Of machines for washing, dry-cleaning, ironing, pressing or drying made up textile articles or of other household or laundry type machines	x		JO,MX)	
	20	Other: Of machines for bleaching, dyeing, washing or cleaning	Х			
l	90	Other	X			

Heading/	Stat.		Unit		Rates of Duty	84-49
	Siai. Suf-	Article Description	of		1	2
Cabricading	fix	Attolo Bossiption	Quantity	General	Special	
8452		Sewing machines, other than book-sewing machines of heading 8440; furniture, bases and covers specially designed for sewing machines; sewing machine needles; parts thereof:			·	
8452.10.00	10 90	Sewing machines of the household type	No. No.	Free		30%
8452.21 8452.21.10	00	Automatic units: Specially designed to join footwear soles to uppers	No	Free		Free
8452.21.90 8452.29 8452.29.10		Other	No	Free		30%
		• •	No			Free
8452.29.90 8452.30.00 8452.40.00	00	Other	thousand	Free	(A CA F II I	30% 42%
		and parts thereof			Free (A,CA,E,IL,J, JO,MX)	20%
8452.90.00	10 90	Other parts of sewing machines	X	Free		30%
8453		Machinery for preparing, tanning or working hides, skins or leather or for making or repairing footwear or other articles of hides, skins or leather, other than sewing machines; parts thereof:				
8453.10.00	00	Machinery for preparing, tanning or working	No	Free		35%
	00 00	Machinery for making or repairing footwear Other machinery Parts:	No No	Free Free		Free 35%
8453.90.10 8453.90.50	00 00	Of machinery for making or repairing footwear Other	X X	Free Free		Free 35%

•	Stat.	Article Description	Unit		Rates of Duty	
Subheading	Suf- fix	Article Description	of Quantity	General	1 Special	2
8454		Converters, ladles, ingot molds and casting machines, of a kind used in metallurgy or in metal foundries, and				
8454.10.00 8454.20.00	00	parts thereof: Converters Ingot molds and ladles		Free Free		35% 35%
	10	G	No. kg			
	60 80	Other	No. kg			
8454.30.00	10 90	Ladles Casting machines Die casting machines		Free		35%
8454.90.00		Other Parts Of casting machines:		Free		35%
	30 60 70 80	Of die casting machines Other Of ingot molds Other	X			
8455 8455.10.00	00	Metal-rolling mills and rolls therefor; parts thereof: Tube mills	No	Free		30%
8455.21.00 8455.22.00 8455.30.00	00 00	Other rolling mills: Hot or combination hot and cold	No	Free Free Free		30% 30% 30%
	05	Gray iron: Not exceeding 2,268 kg	No.			
	15	Exceeding 2,268 kg but not exceeding 6,803.9 kg	kg No.			
	25	Exceeding 6,803.9 kg	kg No. kg			
	35	Cast steel: Not exceeding 2,268 kg	No. kg			
	45	Exceeding 2,268 kg but not exceeding 6,803.9 kg	No. kg			
	55	Exceeding 6,803.9 kg	No. kg			
	65 75	Not exceeding 2,268 kg	No. kg			
	75	Exceeding 2,268 kg but not exceeding 6,803.9 kg	No. kg			
8455.90	85	Exceeding 6,803.9 kg	No. kg			
8455.90.40	00	Castings or weldments, individually weighing less than 90 tons, for the machines of heading 8455	kg	Free		30%
8455.90.80	00	Other	kg	Free		30%

	Stat.		Unit		Rates of Duty	<u> </u>
Subheading	Suf- fix	Article Description	of Quantity	General	1 Special	2
456	IIX	Machine tools for working any material by removal of material, by laser or other light or photon beam, ultrasonic,	Quantity	General	Special	
		electro-discharge, electro-chemical, electron-beam, ionic-beam or plasma arc processes:				
3456.10		Operated by laser or other light or photon beam processes:				
456.10.10	40	For working metal		3.5%	Free (A,CA,E,IL,J, JO,MX)	30%
	10 20	Numerically controlled	No. No.			
3456.10.60	00	For use in the production of semiconductor wafers; lasercutters for cutting contacting tracks in semiconductor production	No	Free		35%
3456.10.80	00	Other	No	2.4%	Free (A,CA,E,IL,J, JO,MX)	35%
3456.20 3456.20.10		Operated by ultrasonic processes: For working metal		3.5%	Free (A,CA,E,IL,J,	30%
	10 50	Numerically controlledOther			JO,MX)	
3456.20.50	00	Other		2.4%	Free (A,CA,E,IL,J, JO,MX)	35%
3456.30 3456.30.10		Operated by electro-discharge processes: For working metal		3.5%	Free (A,CA,E,IL,J, JO,MX)	30%
	20	Traveling wire (wire-cut) type			JO,IVIA)	
450 00 50	50 70	Numerically controlled	No.	0.407	F /A OA F.II. I	050/
3456.30.50	00	Other	No	2.4%	Free (A,CA,E,IL,J, JO,MX)	35%

84-52	Stat		Unit		Pates of Duty	
Heading/ Subheading	Stat. Suf-	Article Description	Unit of		Rates of Duty	2
Subneading	fix	Article Description	Of Quantity	General	Special	
3456 (con.)		Machine tools for working any material by removal of material, by laser or other light or photon beam, ultrasonic, electro-discharge, electro-chemical, electron-beam, ionic-beam or plasma arc processes (con.): Other:				
3456.91.00	00	For dry etching patterns on semiconductor materials	No	Free		35%
8456.99		Other: For working metal:				
3456.99.10	00	Focused ion beam milling machines to produce or repair masks and reticles for patterns on semiconductor devices	No	Free		30%
8456.99.30		Other			Free (A,CA,E,IL,J,	30%
	05	Numerically controlled: Of a kind used for cutting metal by electro-chemical process	No.		JO,MX)	
	40	Other	No.			
	60	Of a kind used for cutting metal by electro-chemical process	No.			
	80	Other	No.			
3456.99.70	00	For stripping and cleaning semiconductor wafers	No	Free		35%
3456.99.90	00	Other	No	2.2%	Free (A,CA,E,IL,J, JO,MX)	35%
8457		Machining centers, unit construction machines (single station) and multistation transfer machines, for working				
8457.10.00		metal: Machining centers		4.2%	Free (A,CA,E,IL,J, JO,MX)	30%
	05	Used or rebuilt	No.		,	
	15 25	Not over 660 mm	No. No.			
	55 60 65 70	travel of Not over 685 mm Over 685 mm but not over 1,016 mm Over 1,016 mm Other Other	No. No. No. No.			
8457.20.00	75	Other	No. 	3.3%	Free (A,CA,E,IL,J, JO,MX)	30%
3457.30.00	10 90	Other			3.3%	Free
A,CA,E,IL,		30%			JO,MX)	
	10 90	Numerically controlled				

0 1 1 11	Stat.		Unit		Rates of Duty	
Subheading	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	
3458		Lathes (including turning centers) for removing metal: Horizontal lathes:				
3458.11.00		Numerically controlled		4.4%	Free (A,CA,E,IL,J,	30%
				,	JO,MX)	00,0
	05		No.		·	
	10	Other: Multiple spindle	No			
	10	Other:	INO.			
	30	With a power rating of less than				
		18.65 kW	No.			
	50	With a power rating of 18.65 kW or				
	50		No.			
		ground but not oncounting or to this in the				
	90	With a power rating exceeding				
450 40 00		37.3 kW	No.	4.40/		200/
458.19.00		Other		4.4%	Free (A,CA,E,IL,J, JO,MX)	30%
	10	Used or rebuilt	No.		00,14174)	
	20	, , , , , , , , , , , , , , , , , , , ,	No.			
	20	Other:	NIa			
	30	Engine or toolroom lathes	No.			
	50		No.			
	70	Multiple spindle	No.			
	90	Other	No.			
3458.91		Other lathes: Numerically controlled:				
3458.91.10		Vertical turret lathes		4.2%	Free (A,CA,E,IL,J,	30%
				,	JO,MX)	0070
	40	Used or rebuilt	No.		,	
	-	Other:	NIa			
	60 80	Multiple spindle				
3458.91.50	00	Other		4.4%	Free (A,CA,E,IL,J,	30%
					JO,MX)	
	40		No.			
	50	Other: Multiple spindle	No			
	70	Other	No.			
3458.99		Other:				
3458.99.10		Vertical turret lathes		4.2%		30%
	10	Used or rebuilt	No		JO,MX)	
	50	Other				
3458.99.50		Other		4.4%	Free (A,CA,E,IL,J,	30%
	20	Lland on valuelle	NIa		JO,MX)	
	30 60	Used or rebuilt	No. No.			
	90	Other	No.			
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84-54						
Heading/	Stat.		Unit		Rates of Duty	
Subheading	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	1
8459		Machine tools (including way-type unit head machines) for drilling, boring, milling, threading or tapping by removing metal, other than lathes (including turning centers) of heading 8458:				
8459.10.00	00	Way-type unit head machines	No	3.3%	Free (A,CA,E,IL,J, JO,MX)	30%
8459.21.00		Other drilling machines: Numerically controlled		4.2%	Free (A,CA,E,IL,J, JO,MX)	30%
	40 80	Used or rebuilt	No. No.			
8459.29.00	10	Other		4.2%	Free (A,CA,E,IL,J, JO,MX)	30%
	10 20	Other, valued under \$3,025 each Other:	No.			
	40 50	Multiple spindle				
	70	Upright, excluding sensitive (hand-directed), turret and	INO.			
	00	deep-hole machines	No.			
8459.31.00	90	Other Other boring-milling machines: Numerically controlled		4.2%	Free (A,CA,E,IL,J,	30%
	05	Used or rebuilt	No.		JÒ,MX)	
	10 40	Other: Horizontal spindle: Table type, excluding planer type Other	No.			
8459.39.00	70	Other		4.2%	Free (A,CA,E,IL,J,	30%
	10 20	Used or rebuilt			JO,MX)	
8459.40.00	40 50	Horizontal spindle	No.	4.2%	Free (A,CA,E,IL,J,	30%
	10 20	Used or rebuilt	No.	,.	JÓ,MX)	
	40	Other: Vertical: Numerically controlled	No.			
	50	Other	No.			
	70 80	Numerically controlledOther	No. No.			
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XVI

•	Stat.		Unit		Rates of Duty	84
Subheading	Suf-	Article Description	of		1	2
150	fix		Quantity	General	Special	
459 con.)		Machine tools (including way-type unit head machines) for drilling, boring, milling, threading or tapping by removing metal, other than lathes (including turning centers) of heading 8458 (con.):				
3459.51.00	40	Milling machines, knee type: Numerically controlled		4.2%	Free (A,CA,E,IL,J, JO,MX)	30%
459.59.00	80	Other		4.2%	Free (A,CA,E,IL,J, JO,MX)	30%
	10 20 30	Used or rebuilt	No.		JO,IVIX)	
459.61.00		Other milling machines: Numerically controlled		4.2%	Free (A,CA,E,IL,J, JO,MX)	30%
459.69.00	40 80	Used or rebuilt	No.	4.2%	Free (A,CA,E,IL,J,	30%
	10 20	Used or rebuilt	No. No.		JO,MX)	
	50 70 90	Profile, duplicating or die sinking	No.			
459.70 459.70.40		Other threading or tapping machines: Numerically controlled	No		Free (A,CA,E,IL,J, JO,MX)	30%
3459.70.80	40 60	Other	No.	4.2%	Free (A,CÁ,E,IL,J, JO,MX)	30%
	80	Other	No.			

84-56						
Heading/	Stat.		Unit		Rates of Duty	•
Subheading	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	
8460		Machine tools for deburring, sharpening, grinding, honing, lapping, polishing or otherwise finishing metal or cermets by means of grinding stones, abrasives or polishing products, other than gear cutting, gear grinding or gear finishing machines of heading 8461: Flat-surface grinding machines, in which the positioning in any one axis can be set up to an accuracy of at least 0.01 mm:				
8460.11.00		Numerically controlled		4.4%	Free (A,CA,E,IL,J,	30%
	40	Used or rebuilt	No.		JÒ,MX)	
8460.19.00	80	Other Other		4.4%	Free (A,CA,E,IL,J,	30%
0400.19.00		Otilei		4.470	JO,MX)	30 /6
	05	Used or rebuilt	No.		JO,IWIX)	
	10	Reciprocating-table type	No.			
	50	Other Other grinding machines, in which the positioning in any one axis can be set up to an accuracy of at least 0.01 mm:	No.			
8460.21.00		Numerically controlled		4.4%	Free (A,CA,E,IL,J, JO,MX)	30%
	40	Used or rebuilt	No.	1	JO,IVIA)	
	80	Other	No.			
8460.29.00		Other		4.4%	Free (A,CA,E,IL,J,	30%
	05	Used or rebuilt	No.		JO,MX)	
	10	Other: External cylindrical, including universal	No			
	30		No.			
	50	Other				
		Sharpening (tool or cutter grinding) machines:				
8460.31.00		Numerically controlled		4.4%	Free (A,CA,E,IL,J, JO,MX)	30%
	40	Used or rebuilt				
8460.39.00	80	Other		4.4%	Free (A,CA,E,IL,J,	30%
0400.39.00		Other		4.470	JO,MX)	30%
	10	Used or rebuilt	No.		00,IVIX)	
	20	Other, valued under \$3,025 each	No.			
	50	Other	No.			
8460.40		Honing or lapping machines:		4.40/	F /A OA F.II. I	000/
8460.40.40		Numerically controlled		4.4%	Free (A,CA,E,IL,J,	30%
	10	Used or rebuilt	No.		JO,MX)	
	60	Other	No.			
8460.40.80		Other		4.4%	Free (A,CA,E,IL,J,	30%
					JÒ,MX)	
	10	Used or rebuilt	No.			
	20 80	Other, valued under \$3,025 each	No. No.			
	00	Other	INO.			
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	Stat.		Unit		Rates of Duty	84
Subheading	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	
460 con.) 460.90		Machine tools for deburring, sharpening, grinding, honing, lapping, polishing or otherwise finishing metal or cermets by means of grinding stones, abrasives or polishing products, other than gear cutting, gear grinding or gear finishing machines of heading 8461(con.): Other:				
460.90.40	10	Numerically controlled	No.	4.4%	Free (A,CA,E,IL,J, JO,MX)	30%
460.90.80	60	OtherOther		4.4%	Free (A,CA,E,IL,J, JO,MX)	30%
	10 20 80	Other, valued under \$3,025 each	No. No. No.			

84-58						
	Stat.		Unit		Rates of Duty	
Subheading	Suf- fix	Article Description	of Quantity	General	1 Special	2
8461		Machine tools for planing, shaping, slotting, broaching, gear cutting, gear grinding or gear finishing, sawing, cutting-off and other machine tools working by removing metal or cermets, not elsewhere specified or included:	,		·	
8461.20 8461.20.40	00	Shaping or slotting machines: Numerically controlled	No	4.4%	Free (A,CA,E,IL,J, JO,MX)	30%
8461.20.80		Other		4.4%	Free (A,CA,E,IL,J, JO,MX)	30%
8461.30	30 70 90	Used or rebuilt	No.		,	
8461.30.40		Numerically controlled		4.4%	Free (A,CA,E,IL,J, JO,MX)	30%
0.404.00.00	20 60	Used or rebuilt	No.	4.40/		200/
8461.30.80	20	Other		4.4%	Free (A,CA,E,IL,J, JO,MX)	30%
	40 80	Other, valued under \$3,025 each Other	No.			
8461.40 8461.40.10		Gear cutting, gear grinding or gear finishing machines: Gear cutting machines		5.8%	Free (A,CA,E,IL,J, MX) 2.9% (JO)	40%
	10	Used or rebuilt	No.		2.070 (00)	
	20	For bevel gears				
	30 40 60	Gear hobbers				
8461.40.50	00	Gear grinding or finishing machines		4.4%	Free (A,CA,E,IL,J, JO,MX)	30%
	20 40	Used or rebuilt				
	50 70	Other: For bevel gears	No. No.			
					[

XVI	
84-59	

	Stat.		Unit		Rates of Duty	84
Subheading	Suf-	Article Description	of		1	2
464	fix	Machine tools for planing shaping slatting becauti	Quantity	General	Special	
461 con.)		Machine tools for planing, shaping, slotting, broaching, gear cutting, gear grinding or gear finishing, sawing, cutting-off and other machine tools working by removing metal or cermets, not elsewhere specified or included (con.):				
461.50 461.50.40		Sawing or cutting-off machines: Numerically controlled		4.4%	Free (A,CA,E,IL,J, JO,MX)	30%
461.50.80	10 50	Used or rebuiltOtherOther		4.4%	Free (A,CA,E,IL,J,	30%
	10 20	Used or rebuilt	No. No.		JÒ,MX)	
461.90 461.90.30	90	Other		4.4%	Free (A,CA,E,IL,J,	30%
	20	Planing machines: Used or rebuilt	No.		JO,MX)	
	40 60	Other				
461.90.60	80			4.4%	Free (A,CA,E,IL,J, JO,MX)	30%
	10 20 30	Other, valued under \$3,025 each	No. No. No.			
	40 50	Other: Used or rebuilt	No.			
	90	Other	No.			

84-60	١		1.1-54	I	Dot(D)	
	Stat.	Arri D. Cr	Unit		Rates of Duty	1 2
0	Suf- fix	Article Description	of Quantity	General	1 Special	2
8462		Machine tools (including presses) for working metal by forging, hammering or die-stamping; machine tools (including presses) for working metal by bending, folding, straightening, flattening, shearing, punching or notching; presses for working metal or metal carbides, not specified above:				
8462.10.00		Forging or die-stamping machines (including presses) and hammers		4.4%	Free (A,CA,E,IL,J, JO,MX)	30%
	10	Used or rebuilt	No.		30,IVIX)	
	30 50	Other	No. No.			
8462.21 8462.21.40		Bending, folding, straightening or flattening machines (including presses): Numerically controlled: For bending, folding and straightening semiconductor leads		Free		30%
3	45 85	Used or rebuilt	No. No.			
8462.21.80	45	Other		4.4% <u>1</u> /	Free (A,CA,E,IL,J, JO,MX)	30%
	85	OtherOther:				
	45	For bending, folding and straightening semiconductor leads	No.	Free		30%
3462.29.80	85	Other		4.4% <u>1</u> /	Free (A,CA,E,IL,J, JO,MX)	30%
	15 25	Used or rebuilt			, ,	
4	35 45 55	Press brakes Bending rolls Other				
8462.31.00		Shearing machines (including presses), other than combined punching and shearing machines: Numerically controlled		4.4%	Free (A,CA,E,IL,J,	30%
3	40 80	Used or rebuilt	No. No.		JO,MX)	
8462.39.00	10	Other		4.4%	Free (A,CA,E,IL,J, JO,MX)	30%
	20 50	Other, valued under \$3,025 each Other	No. No.			
<u>1</u> / See subh	eac	dings 9817.84.01 and 9902.84.40.				

Heading/	Stat.		Unit	I	Rates of Duty	84-61
•	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	_
8462 (con.)		Machine tools (including presses) for working metal by forging, hammering or die-stamping; machine tools (including presses) for working metal by bending, folding, straightening, flattening, shearing, punching or notching; presses for working metal or metal carbides, not specified above (con.): Punching or notching machines (including presses), including combined punching and shearing machines:				
8462.41.00	40	Numerically controlled		4.4% <u>1</u> /	Free (A,CA,E,IL,J, JO,MX)	30%
8462.49.00	80			4.4% <u>1</u> /	Free (A,CA,E,IL,J, JO,MX)	30%
0.400.04	10 20 50	Used or rebuilt	No.			
8462.91 8462.91.40	20	Hydraulic presses: Numerically controlled		4.4%	Free (A,CA,E,IL,J, JO,MX)	30%
8462.91.80	30 60	Used or rebuilt	No.	4.4%	Free (A,CA,E,IL,J, JO,MX)	30%
8462.99	30 90	Used or rebuilt	No.			
8462.99.40	10	Numerically controlled	No.	4.4%	Free (A,CA,E,IL,J, JO,MX)	30%
8462.99.80	30	Other		4.4% <u>2</u> /	Free (A,CA,E,IL,J, JO,MX)	30%
	10 20 35	Used or rebuilt	No.			
	45 60	Other mechanical presses Other	No. No.			
.,,		N 0047 04 04				
1/ See sub 2/ See sub	onea bhea	ding 9817.84.01. ding 9902.84.70.	1			

84-62 Heading/	Stat.		Unit		Rates of Duty	
ŭ	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	
463		Other machine tools for working metal or cermets, without				
463.10.00		removing material: Draw-benches for bars, tubes, profiles, wire or the like		4.4%	Free (A,CA,E,IL,J, JO,MX)	30%
	40 60 80	Used or rebuilt Other, valued under \$3,025 each Other	No. No.		00,1101	
3463.20.00		Thread rolling machines		4.4%	Free (A,CA,E,IL,J, JO,MX)	30%
	40 60 80	Used or rebuilt	No. No. No.			
3463.30.00		Machines for working wire		4.4% <u>1</u> /	Free (A,CA,E,IL,J, JO,MX)	30%
	40 60 80	Used or rebuilt	No. No. No.			
463.90.00	40	Other		4.4%	Free (A,CA,E,IL,J, JO,MX)	30%
	60 80	Other, valued under \$3,025 each				
3464		Machine tools for working stone, ceramics, concrete, asbestos-cement or like mineral materials or for cold				
3464.10.00	40	working glass: Sawing machines		Free		35%
3464.20	80	Other Grinding or polishing machines:				
	00	For processing of semiconductor wafers Other	No	Free 2%	Free (A,CA,E,IL, J,JO,MX)	35% 35%
3464.90	10 90	Glass-working machines	No. No.		0,00,1017()	
3464.90.10	40	For scribing or scoring semiconductor wafers; for wet-etching semiconductor wafers For scribing or scoring semiconductor wafers		Free		35%
3464.90.60	60 00	Other	No.			
		flat panel displays	No	Free		35%
464.90.90	10	Other		2%	Free (A,CA,E,IL,J, JO,MX)	35%
	90	Other	No.			
<u>1</u> / See sub	nead	ding 9902.84.40.				

Heading/	Stat.		Unit		Rates of Duty	
	Suf-	Article Description	of		1	2
٦	fix	<u>'</u>	Quantity	General	Special	1
3465		Machine tools (including machines for nailing, stapling,				
		glueing or otherwise assembling) for working wood, cork,				
		bone, hard rubber, hard plastics or similar hard materials:				
3465.10.00		Machines which can carry out different types of				
		machining operations without tool change between				
		such operations		2.4%	Free (A,CA,E,IL,J,	35%
		'			JÒ,MX)	
		Woodworking machines:			,	
		Used or rebuilt:				
	05	Tenoners	No.			
	15	Other	No.			
		Other:				
		Tenoners:				
	25	Numerically controlled				
	35	Other	No.			
	45	Other				
	50		No.			
		Other:				
3465.91.00		Sawing machines		3% <u>1</u> /	Free (A,CA,E,IL,J,	35%
					JO,MX)	
		Woodworking machines:				
		Used or rebuilt:				
	02	Rip saws	No.			
	06	Panel saws	No.			
	12	Band saws	No.			
	16					
	22	Other	No.			
	~-	Other:				
	27	Sawmill machines	No.			
	00	Other:	NI.			
	32	Radial arm saws	No.			
	36	Tilting arbor table saws				
	41	Rip saws	No.			
	47	Miter saws	No.			
	49	Scroll saws	No.			
		Panel saws:	NI-			
	53	Valued under \$3,000 each				
	58	Other	No.			
	C 4	Band saws:	Na			
	64	Valued under \$1,000 each				
	68	Other	No.			
	74 78	Cross-cut and optimizing saws Other				
			-			
	90	Other	No.			
						1
						1
						1
						1
						1
						1
						1
		ing 9902.84.91.				

84-64	_			1		
Heading/	Stat.		Unit		Rates of Duty	
Subheading	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	1
3465		Machine tools (including machines for nailing, stapling,				
(con.)		glueing or otherwise assembling) for working wood, cork,				
` ,		bone, hard rubber, hard plastics or similar hard materials				
		(con.):				
		Other (con.)				
3465.92.00		Planing, milling or molding (by cutting) machines		3%	Free (A,CA,E,IL,J,	35%
					JÓ,MX)	
		For woodworking:				
		Used or rebuilt:				
	03	Moulders	No.			
	06	Routers	No.			
	16	Other	No.			
		Other:				
		Dovetailing machines:				
	26	Valued under \$3,000 each	No.			
	29	Other	No.			
	31	Moulders	No.			
		Planers:				
	34	Valued under \$1,000 each				
	37	Other	No.			
		Jointers:				
	42	Valued under \$1,000 each				
	46	Other	No.			
	l	Routers:				
	51	Valued under \$3,000 each	No.			
		Other:				
	55	Numerically controlled				
	58	Other	No.			
		Shapers and profilers:				
	62	Valued under \$1,000 each	No.			
	66	Other	No.			
	72	Other				
0.405.00.00	90	Other	No.	00/	F /A OA F. II. I	050/
8465.93.00		Grinding, sanding or polishing machines		3%	Free (A,CA,E,IL,J,	35%
		E I . II			JO,MX)	
		For woodworking:				
	0.4	Used or rebuilt:				
	04	Belt sanders, for a belt width 60 cm or	NI-			
		wider	No.			
	12	Other	No.			
	12		NO.			
		Other: Edge belt sanders:				
	30	Valued under \$1,000 each	No.			
	45		INO.			
	45	Valued \$1,000 or over but under	No.			
		\$3,000 each	INU.			
	55	Other	No.	1		1
	65	Belt sanders, for a belt width 60 cm	INU.			
	UU	or wider	No.	1		1
		OI WIUCI	INO.			
	75	Other	No.			
	90	Other	No.			
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Heading/	Stat.		Unit		Rates of Duty	84
Subheading	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	
465		Machine tools (including machines for nailing, stapling,				
con.)		glueing or otherwise assembling) for working wood, cork,				
		bone, hard rubber, hard plastics or similar hard materials (con.):				
		Other (con.)				
3465.94.00		Bending or assembling machines		2.9%	Free (A,CA,E,IL,J,	35%
		20.14		2.070	JO,MX)	00,0
		For woodworking:			, ,	
	05	Used or rebuilt	No.			
		Other:				
	15	Doweling machines	No.			
	25 35	Edgebanding machines	No. No.			
	33	Presses:	INO.			
	45	Cold	No.			
	55	Other				
	65	Other				
	90	Other				
465.95.00		Drilling or mortising machines		3%	Free (A,CA,E,IL,J,	35%
					JO,MX)	
		For woodworking:				
	05	Used or rebuilt:				
	UO	Numerically controlled boring machines	No.			
		madriiros	. 40.			
	10	Other	No.			
		Other:				
		Boring machines:				
	20	Numerically controlled	No.			
	0.5	Other:	NI-			
	35	Valued under \$3,000 each				
	45	Other Other drilling machines:	No.			
	55	Valued under \$1,000 each	No			
	60	Other	No.			
	65	Other				
	90	Other				
3465.96.00		Splitting, slicing or paring machines		2.4%	Free (A,CA,E,IL,J,	35%
					JO,MX)	
	4.5	For woodworking:	N. 1.			
	15		No.			
	25 30	Chippers				
	40	Other	No.			
	50	Other	No.			
	00	0.1101	110.			
				Ī	Ī	Ĩ

Subheading 3465 (con.) 3465.99		Article Description	Unit of Quantity	General	Rates of Duty 1	2
3465 (con.) 3465.99	fix	·		General	•	2
3465 (con.) 3465.99	fix	·	Quantity	General	Chasial	1
(con.) 3465.99					Special	
		Machine tools (including machines for nailing, stapling, glueing or otherwise assembling) for working wood, cork, bone, hard rubber, hard plastics or similar hard materials (con.): Other (con.)				
3465.99.40	00	Other: Deflash machines for cleaning and removing contaminants from the metal leads of semiconductor packages prior to the electroplating process (deflash by chemical bath)	No	Free		35%
3465.99.80		Other		2.4%	Free (A,CA,E,IL,J, JO,MX)	35%
	05	Woodworking machines: Debarkers	No.			
	10	Veneer lathes	No.			
	20 40	Valued under \$1,000 each Valued \$1,000 or over but				
			No.			
	60 70	Other	No.			
	95	Other	No.			

XV	
84-67	

	Stat.		Unit		Rates of Duty	
Subheading	Suf- fix	Article Description	of Quantity	General	1 Special	2
466	IIX	Parts and accessories suitable for use solely or principally with the machines of headings 8456 to 8465, including work or tool holders, self-opening dieheads, dividing heads and other special attachments for machine tools; tool	Quantity	General	эресіаі	
466.10 466.10.40	00	holders for any type of tool for working in the hand: Tool holders and self-opening dieheads: Tool holders for the machines described in additional U.S. note 3 to chapter 84	No	Free		45%
466.10.80		Other		3.9%	Free (A,CA,E,IL,J,	45%
	10	Tool holders for forming-type or cutting-type dies	Х		JO,MX)	
3466.20	30 75	Holders for replaceable cutting or drill inserts Other	X	4.60/	Free /A CA F II I	450/
466.20.10	10	For machine tools used in cutting gears Jigs and fixtures		4.0%	Free (A,CA,E,IL,J, JO,MX)	45%
466.20.40	90 00	Other For the machines described in additional U.S. note 3 to chapter 84	X	Free		35%
3466.20.80		Other		3.7%	Free (A,CA,E,IL,J,	
	20 35	For metalworking machine tools: Jigs and fixtures Other	X X		JO,MX)	
466.30	40 65	Other work holders: Jigs and fixtures Other Dividing heads and other special attachments for	X X			
3466.30.10	00	machine tools: Dividing heads	x	3.7%	Free (A,CA,E,IL,J,	35%
3466.30.45	00	Other special attachments: For the machines described in additional U.S. note 3 to chapter 84	V	E	JO,MX)	450/
		Other:	A	riee		45%
3466.30.60	10	Machines		2.9%	Free (A,CA,E,IL,J, JO,MX)	35%
3466.30.80	40 85 00	For woodworking machines	X X X	8%	Free (A,CA,E,IL,J, MX) 4% (JO)	45%
					(00)	

84-68						
Heading/	Stat.		Unit		Rates of Duty	
Subheading	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	
8466 (con.)		Parts and accessories suitable for use solely or principally with the machines of headings 8456 to 8465, including work or tool holders, self-opening dieheads, dividing heads and other special attachments for machine tools; tool holders for any type of tool for working in the hand (con.): Other:				
8466.91 8466.91.10	00	For machines of heading 8464: Cast-iron parts not advanced beyond cleaning, and machined only for the removal of fins, gates, sprues and risers or to permit location	kg	Free		10%
8466.91.50	00	Other	X	Free		35%
8466.92 8466.92.10	00	For machines of heading 8465: Cast-iron parts not advanced beyond cleaning, and machined only for the removal of fins, gates, sprues and risers or to permit location in finishing machinery	kg	Free		10%
8466.92.50		Other	J		Free (A,CA,E,IL,J,	35%
0400.92.30	10 90	Of woodworking machines Other	X	4.770	JO,MX)	3370
8466.93	90	For machines of headings 8456 to 8461: Bed, base, table, head, tail, saddle, cradle, cross slide, column, arm, saw arm, wheelhead, tailstock, headstock, ram, frame, work-arbor support, and C-frame castings, weldments or fabrications:	^			
8466.93.15		Cast-iron parts not advanced beyond cleaning, and machined only for the removal of fins, gates, sprues and risers or to permit location in finishing		E		400/
	30	machinery		Free		10%
	60	Other	kg			
8466.93.30	00	Of metalworking machine tools for cutting gears	x	5.8%	Free (A,CA,E,IL,J, MX) 2.9% (JO)	45%
8466.93.47	00	Of machines of subheading 8456.10.60; of machines of subheading 8456.91; of machines of 8456.99.10; of machines of	N.	F	2.070 (00)	050/
		subheading 8456.99.70		Free		35%
8466.93.53	40	Other		4.7%	Free (A,CA,E,IL,J, JO,MX)	35%
	.0	grinding or finishing gears	Х			
	85	Other	X			
					1	

Stat.		Unit		Rates of Duty	84-
Suf-	Article Description	of		1	2
fix		Quantity	General	Special	
	with the machines of headings 8456 to 8465, including work or tool holders, self-opening dieheads, dividing heads and other special attachments for machine tools; tool holders for any type of tool for working in the hand (con.):				
	Other (con.): For machines of headings 8456 to 8461 (con.):				
30	For metalworking machine tools for		Free		10%
60		kg			
00	Of metalworking machine tools for	x	5.8%	Free (A,CA,E,IL,J, MX)	45%
00	Of machines of subheading 8456.10.60; of machines of subheading 8456.91; of machines of 8456.99.10; of machines of subheading 8456.99.70	No	Free	2.070 (00)	35%
	Other		4.7%	Free (A,CA,E,IL,J,	35%
40	Of metalworking machine tools for grinding or finishing gears	х		JO,IVIX)	
85	Other	Х			
	uf- iix 30 30 50 50 50 50 50 50 50 50 50 50 50 50 50	Parts and accessories suitable for use solely or principally with the machines of headings 8456 to 8465, including work or tool holders, self-opening dieheads, dividing heads and other special attachments for machine tools; tool holders for any type of tool for working in the hand (con.): Other (con.): For machines of headings 8456 to 8461 (con.): Other: Cast-iron parts not advanced beyond cleaning, and machined only for the removal of fins, gates, sprues and risers or to permit location in finishing machinery. For metalworking machine tools for cutting, grinding or finishing gears	Article Description Of Quantity Parts and accessories suitable for use solely or principally with the machines of headings 8456 to 8465, including work or tool holders, self-opening dieheads, dividing heads and other special attachments for machine tools; tool holders for any type of tool for working in the hand (con.): Other: Cast-iron parts not advanced beyond cleaning, and machined only for the removal of fins, gates, sprues and risers or to permit location in finishing machinery For metalworking machine tools for cutting, grinding or finishing gears Other: Of metalworking machine tools for cutting gears Of metalworking machine tools for cutting gears Of metalworking machine tools for cutting gears Of machines of subheading 8456.99.10; of machines of subheading 8456.99.10; of machines of subheading 8456.99.70 Other Of metalworking machine tools for grinding or finishing gears X Of metalworking machine tools for grinding or finishing gears X	Article Description of Quantity Parts and accessories suitable for use solely or principally with the machines of headings 8456 to 8465, including work or tool holders, self-opening dieheads, dividing heads and other special attachments for machine tools; tool holders for any type of tool for working in the hand (con.): Other (con.): For machines of headings 8456 to 8461 (con.): Other: Cast-iron parts not advanced beyond cleaning, and machined only for the removal of fins, gates, sprues and risers or to permit location in finishing machinery For metalworking machine tools for cutting, grinding or finishing gears kg Other: Of ther: Of metalworking machine tools for cutting gears X 5.8% Of machines of subheading 8456.91; of machines of subheading 8456.99.10; of machines of subheading 8456.99.70 No. Free Other: Of metalworking machine tools for grinding or finishing gears X	ufix

84-70						
	Stat.		Unit		Rates of Duty	
Subheading	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	
8466 (con.)		Parts and accessories suitable for use solely or principally with the machines of headings 8456 to 8465, including work or tool holders, self-opening dieheads, dividing heads and other special attachments for machine tools; tool holders for any type of tool for working in the hand (con.): Other (con.):				
8466.94		For machines of heading 8462 or 8463: Cast-iron parts not advanced beyond cleaning, and machined only for the removal of fins, gates, sprues and risers or to permit location in finishing machinery:				
3466.94.20	00	Bed, base, table, column, cradle, frame, bolster, crown, slide, rod, tailstock and headstock castings, weldments or fabrications	ka	Free		10%
2400 04 40	00					
8466.94.40	00	Other: Other: Bed, base, table, column, cradle, frame, bolster, crown, slide, rod, tailstock and headstock castings, weldments or fabrications:	кд	Free		10%
3466.94.55	00	Of machines of subheading 8462.21.40 or 8462.29.40	No	Free		35%
8466.94.65		Other		4.7%	Free (A,CA,E,IL,J, JO,MX)	35%
	40	Parts of mechanical transfer presses	Х		,	
	85	Other Other:	X			
3466.94.75	00	Of machines of subheading 8462.21.40 or 8462.29.40	No	Free		35%
3466.94.85		Other		4.7%	Free (A,CA,E,IL,J,	35%
	40	Parts of mechanical transfer presses	X		JO,MX)	
	85	Other				

Heading/	Stat.		Unit		Rates of Duty	
•	Suf-	Article Description	of	_	1	2
	fix		Quantity	General	Special	
8467		Tools for working in the hand, pneumatic, hydraulic or with self-contained electric or nonelectric motor, and parts thereof: Pneumatic:				
3467.11		Rotary type (including combined rotary-percussion):				
3467.11.10		Suitable for metal working		4.5%	Free (A,CA,E,IL,J, JO,MX)	30%
8467.11.50	40 80	Other	No.	Free		27.50/
3467.11.50	10 20	Other Rock drills Drills, other than rock drills; screwdrivers and nut runners	No.	Free		27.5%
2407.40	40 90	Wrenches, other than nut runners Other				
8467.19 8467.19.10	00	Other: Suitable for metal working	No	4.5%	Free (A,CA,E,IL,J, JO,MX)	30%
8467.19.50	30	Other Pneumatic, hand-held force feed lubricating equipment		Free	,	27.5%
	60 90	Designed for use in construction or mining . Other	No.			
8467.21.00		Drills of all kinds		1.7%	Free (A,CA,E,IL, J,JO,MX)	35%
	10	Battery powered	No.			
	30	With a chuck capacity of less than 12.7 mm	No.			
	50 70	Other	No. No.			
8467.22.00	20 40 70 90	Saws Circular Chain Reciprocating and jig Other	No. No.	Free		35%
8467.29.00	10	Other	No.	Free		35%
	15	Orbital and straight-line sanders Other:	No.			
	25 35 40	Belt sanders Other Screwdrivers, nut-runners and impact wrenches	No. No.			
	55 65	Routers	No. No.			
	70 80	Grass and weed trimmers/edgers Electropneumatic rotary and percussion hammers	No.			
	85 90	Electric scissors	No. No.			

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Stat.		Unit		Rates of Duty	T
Suf- fix	Article Description	of Quantity	General	1 Special	2
	Tools for working in the hand, pneumatic, hydraulic or with self-contained electric or nonelectric motor, and parts thereof (con.):	Quality	33.13.14.	oposia.	
00	Chain saws	No	Free		27.5%
00	Suitable for metal working Other				30% 27.5%
30	trimmers and brushcutters	No.			
60		No.			
90	Parts:				
00	Of pneumatic tools				27.5% 27.5%
50	equipment				
90	Other		Free		27.5%
30	Of gasoline powered grass and weed trimmers and brushcutters	Х			
90		X			
	welding, whether or not capable of cutting, other than those of heading 8515; gas-operated surface				
00	Hand-held blow torches	No	2.9%	Free (A,CA,E,IL,J, JO,MX)	45%
00	Other gas-operated machinery and apparatus: Hand-directed or -controlled	No	3.9%	Free (A,CA,E,IL,J,	45%
00	Other machinery and apparatus:			,	27.5%
				Free (A,CA,E,IL,J, JO,MX)	45% 27.5%
00	Parts: Of hand-directed or -controlled				
00				Free (A,CA,E,IL,J, JO,MX)	45% 27.5%
00	Other	^	riee		27.5%
	Suf- fix 00 00 30 60 90 50 90 00 00 00 00 00	Suf- fix Tools for working in the hand, pneumatic, hydraulic or with self-contained electric or nonelectric motor, and parts thereof (con.): Other tools: Chain saws Other: Suitable for metal working Other Gasoline powered grass and weed trimmers and brushcutters Other Parts: Of chain saws Of pneumatic tools Of pneumatic tools Of pneumatic, hand-held force feed lubricating equipment Other nd apparatus for soldering, brazing or welding, whether or not capable of cutting, other than those of heading 8515; gas-operated surface tempering machines and appliances; parts thereof: Hand-held blow torches Other gas-operated machinery and apparatus: Hand-directed or -controlled Other Other machinery and apparatus: Hand-directed or -controlled Other Other Other Other Other Other machinery and apparatus: Hand-directed or -controlled Other achinery and apparatus: Hand-directed or -controlled Other ther Other Other Other Other other Othe	Suffix Tools for working in the hand, pneumatic, hydraulic or with self-contained electric or nonelectric motor, and parts thereof (con.): Other tools: Chain saws Other: Suitable for metal working Other Gasoline powered grass and weed trimmers and brushcutters Other parts: Of chain saws Of pneumatic tools Of pneumatic tools Other Ax Machinery and apparatus for soldering, brazing or welding, whether or not capable of cutting, other than those of heading 8515; gas-operated surface tempering machines and appliances; parts thereof: Hand-held blow torches Other gas-operated machinery and apparatus: Hand-directed or -controlled No. Other Other machinery and apparatus: Hand-directed or -controlled No. Other Parts: Of hand-directed or -controlled machinery and apparatus X	Suffix Tools for working in the hand, pneumatic, hydraulic or with self-contained electric or nonelectric motor, and parts thereof (con.): Other tools: Chain saws Other Suitable for metal working Other Suitable for metal working Other Other, designed for use in agriculture or horticulture Of pneumatic tools Of pneumatic tools Of pneumatic, hand-held force feed lubricating equipment Other daptiances; parts thereof: Hand-held blow torches Hand-directed or -controlled No. 2.9% Other Parts: Other O	Suffix Tools for working in the hand, pneumatic, hydraulic or with self-contained electric or nonelectric motor, and parts thereof (con.): Other tools: Chain saws Other: Suitable for metal working Other Gasoline powered grass and weed trimmers and brushcutters Of Chain saws Of pneumatic tools Of pneumatic tools Of pneumatic tools Of gasoline powered grass and weed trimmers and brushcutters Of of pneumatic hand-held force feed lubricating equipment Other No. Machinery and apparatus for soldering, brazing or welding, whether or not capable of cutting, other than those of heading 8515; gas-operated surface tempering machines and appliances; parts thereof: Hand-held blow torches Other Other No. Other Other machinery and apparatus: Hand-directed or -controlled No. Other Other Other Mand-directed or -controlled No. Other

XVI

Heading/	Stat.		Unit		Rates of Duty	
Subheading	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	
3469		Typewriters other than printers of heading 8471; word				
		processing machines: Automatic typewriters and word processing machines:				
469.11.00	00	Word processing machines	No	Free		35%
	00	Automatic typewriters	No	Free		35%
469.20.00		Other typewriters, electric		Free		Free
	20	Weighing not more than 12 kg, excluding case				
	40	Other	No.			
3469.30.00		Other typewriters, nonelectric		Free		Free
	20	Weighing not more than 12 kg, excluding case				
	40	Other	No.			
3470		Calculating machines and pocket-size data recording,				
,470		reproducing and displaying machines with calculating				
		functions; accounting machines, postage-franking				
		machines, ticket-issuing machines and similar machines,				
		incorporating a calculating device; cash registers:				
3470.10.00		Electronic calculators capable of operation without an				
		external source of electric power and pocket-size data				
		recording, reproducing and displaying machines with				250/
	40	calculating functions		Free		35%
	60	Display only	No.			
	00	Other electronic calculating machines:	INU.			
3470.21.00	00	Incorporating a printing device	No	Free		35%
	00	Other		Free		35%
3470.30.00	00	Other calculating machines	No	Free		35%
	00	Accounting machines	No	Free		35%
470.50.00		Cash registers		Free		35%
	20	Point-of-sale terminals				
3470.90.00	60	OtherOther		Free		35%
5470.90.00	10	Postage-franking machines		1166		33 /6
	90	Other	No.			
	00	Outer	110.			
					ĺ	1

84-74						
Heading/	Stat.		Unit		Rates of Duty	
Subheading	Suf-	Article Description	of		1	2
_	fix	·	Quantity	General	Special	1
3471		Automatic data processing machines and units thereof; magnetic or optical readers, machines for transcribing data onto data media in coded form and machines for processing such data, not elsewhere specified or included:				
8471.10.00		Analog or hybrid automatic data processing machines .	No	Free		40%
3471.30.00	00	Portable digital automatic data processing machines, weighing not more than 10 kg, consisting of at least a central processing unit, a keyboard and a display	No	Free		35%
3471.41.00	35 65	Other digital automatic data processing machines: Comprising in the same housing at least a central processing unit and an input and output unit, whether or not combined		Free		35%
3471.49 3471.49.10	95	Other Other, entered in the form of systems: Digital processing units entered with the rest of a system, whether or not containing in the same housing one or two of the following types of unit: storage units, input units, output units .		Free		35%
	35 65 95	With cathode-ray tube (CRT): Color	No. No. No.			

Heading/	Stat.		Unit		Rates of Duty	84-
	Suf-	Article Description	of		1	2
ŭ	fix	·	Quantity	General	Special	
3471 (con.)		Automatic data processing machines and units thereof; magnetic or optical readers, machines for transcribing data onto data media in coded form and machines for processing such data, not elsewhere specified or included (con.): Other digital automatic data processing machines				
3471.49 con.)		(con.): Other, entered in the form of systems (con.): Input or output units, entered with the rest of				
3471.49.15	00	a system, whether or not containing storage units in the same housing: Combined input/output units	No	Free		35%
3471.49.21	00		Free		35%	
3471.49.24	00	Display units: Without cathode-ray tube (CRT), having a visual display diagonal not exceeding 30.5 cm	No	Free		35%
3471.49.26	00	Other: With color cathode-ray tube (CRT)	No	Free		35%
3471.49.29	00	Printer units:	No	Free		35%
3471.49.31	00	Laser: Capable of producing more than 20 pages per minute	No	Free		35%
3471.49.32 3471.49.33 3471.49.34 3471.49.35 3471.49.36 3471.49.37	00 00 00 00 00 30 60 90		No	Free Free Free Free Free		35% 35% 35% 35% 35% 35%
3471.49.42	00	Optical scanners and magnetic ink recognition devices	No	Free		35%
8471.49.48	50	Other	No.	Free		35%
	75 95	Other: Output devices Other	No. No.			

84-76 Heading/	Stat.		Unit		Rates of Duty	
٠ .	Suf-	Article Description	of			2
	fix	·	Quantity	General	Special	
3471 (con.)		Automatic data processing machines and units thereof; magnetic or optical readers, machines for transcribing data onto data media in coded form and machines for processing such data, not elsewhere specified or included (con.): Other digital automatic data processing machines				
3471.49 (con.)		(con.): Other, entered in the form of systems (con.):				
3471.49.50	10	Storage units, entered with the rest of a system	No.	Free		35%
	20	Other: Flexible (floppy) magnetic disk drive units		No.		
	40 60 80	Hard magnetic disk drive units Other Other	No.			
8471.49.60 8471.49.70	00 00	Other: Control or adapter units Power supplies Other:	No No	Free Free		35% 35%
8471.49.85	00	Units suitable for physical incorporation into automatic data processing machines or units thereof	No	Free		35%
8471.49.95 8471.50.00	00	Other				35%
8471.60	35 65 85	following types of unit: storage units, input units, output units. With cathode-ray tube (CRT): Color	No. No.	Free		35%
3471.60.10	35 65 95	Combined input/output units		Free		35%

XVI	
84-77	

Heading/	Stat.		Unit		Rates of Duty	
Subheading	Suf-	Article Description	of	·	1	2
	fix		Quantity	General	Special	
3471		Automatic data processing machines and units thereof;				
con.)		magnetic or optical readers, machines for transcribing				
		data onto data media in coded form and machines for				
		processing such data, not elsewhere specified or included				
3471.60		(con.): Input or output units, whether or not containing storage				
con.)		units in the same housing (con.):				
0011.)		Other:				
3471.60.20	00	Keyboards	No	Free		35%
		Display units:				
3471.60.30	00	Without cathode-ray tube (CRT), having				
		a visual display diagonal not exceeding				
		30.5 cm	No	Free		35%
		0.1				
2474 00 05	00	Other:	N. 1.			050/
3471.60.35	00	With color cathode-ray tube (CRT)		Free		35%
3471.60.45	40	Other		Free		35%
	40 80	With cathode-ray tube (CRT) Other	No.			
	00	Printer units:	INO.			
		Assembled units incorporating at least				
		the media transport, control and print				
		mechanisms:				
		Laser:				
3471.60.51	00	Capable of producing more than				
		20 pages per minute	No	Free		35%
3471.60.52		Other		Free		35%
3471.60.53	00	Light bar electronic type	No			35%
3471.60.54	00	Ink jet	No	Free		35%
3471.60.55	00	Thermal transfer	No	Free		35%
	00	lonographic				35%
3471.60.57	30	Other		Free		35%
	60	Daisy wheel	INO.			
	90	Other	No.			
	50	Other:	140.			
		Laser:				
3471.60.61	00	Capable of producing more than				
			No	Free		35%
3471.60.62		Other				35%
	00	Light bar electronic type				35%
3471.60.64	00	Ink jet				35%
3471.60.65	00			Free		35%
3471.60.66	00	_ , 0 1		Free		35%
3471.60.67	30	Other		Free		35%
	60	Daisy wheel	INU.			1
	90	Other	No.			1
	55	Other:				1
3471.60.70		Units suitable for physical incorporation into				1
Í		automatic data processing machines or				1
		units thereof		Free		35%
	40	Output devices	No.			1
	80	Other	No.			1
. 474 60 00	00	Other:				1
3471.60.80	00	Optical scanners and magnetic ink	Na			250/
		recognition devices	No	Free		35%
3471.60.90		Othor		Free		35%
047 1.00.90	30	Other		1 166		35%
	50	entry devices	No.			1
		Gilli y uevices	140.			1
		Other:				1
	70	Output devices	No.			1
	90		No.			
	30	00101				

~	Stat.		Unit		Rates of Duty	
Subheading	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	
8471		Automatic data processing machines and units thereof;				
(con.)		magnetic or optical readers, machines for transcribing				
		data onto data media in coded form and machines for				
		processing such data, not elsewhere specified or included				
0474 70		(con.):				
8471.70		Storage units: Magnetic disk drive units:				
		For a disk of a diameter exceeding 21 cm:				
8471.70.10	00	Without read-write unit assembled therein;				
0 11 111 0110	00	read-write units entered separately	No	Free		35%
		,				
8471.70.20	00	Units for physical incorporation into				
		automatic data processing machines or				
		units thereof	No	Free		35%
				_		
8471.70.30	00		No	Free		35%
0.474 70 40		Other:				
8471.70.40		Not assembled in cabinets, and without		Free		35%
	35	attached external power supply Flexible (floppy) magnetic disk drive		riee		35%
	33	units	No.			
		dinto	. 10.			
	65	Hard magnetic disk drive units	No.			
	95	Other	No.			
8471.70.50		Other		Free		35%
	35	Flexible (floppy) magnetic disk drive				
		units	No.			
	0.5					
	65	Hard magnetic disk drive units				
	95	Other	No.			
8471.70.60	00	Other storage units: Not assembled in cabinets for placing on a				
047 1.70.00	00	table, desk, wall, floor or similar place	No	Eroo		35%
		table, desk, wall, floor of similar place	NO	riee		33%
8471.70.90	00	Other	No	Free		35%
8471.80		Other units of automatic data processing machines:				
	00	Control or adapter units	No	Free		35%
		Other:				
8471.80.40	00	Units suitable for physical incorporation into				
		automatic data processing machines	No	Free		35%
0.474.00.00		0:1		_		050/
	00		No			35%
8471.90.00	00	Other	No	riee		35%
					I	

XVI

~	Stat.		Unit		Rates of Duty	84
Subheading	Suf-	Article Description	of	1	1	2
	fix		Quantity	General	Special	
472		Other office machines (for example, hectograph or stencil duplicating machines, addressing machines, automatic banknote dispensers, coin-sorting machines, coin-counting or wrapping machines, pencil-sharpening machines, perforating or stapling machines):				
472.10.00		Duplicating machines	No	1.6%	Free (A,CA,E,IL,J, JO,MX)	25%
472.20.00	00	Addressing machines and address plate embossing machines	No	2.1%	Free (A,CA,E,IL,J, JO,MX)	25%
472.30.00	00	Machines for sorting or folding mail or for inserting mail in envelopes or bands, machines for opening, closing or sealing mail and machines for affixing or canceling postage stamps . No	1.8%	Free (A,CA,E,IL	J, JO,MX)	35%
					00,	
472.90 472.90.10 472.90.40		Other: Automatic teller machines	No No	Free 2.6%	Free (A,CA,E,IL,J,	35% 40%
3472.90.60 3472.90.70	00 00	Numbering, dating and check-writing machines Accessory and auxiliary machines which are	No	Free	JÓ,MX)	25%
		intended for attachment to an electrostatic photocopier and which do not operate independently of such photocopier	No	Free		35%
3472.90.80	00	Printing machines other than those of heading 8443 or 8471	No	Free		25%
3472.90.90		Other		1.8%	Free (A,CA,E,IL,J, JO,MX)	35%
	40 60 80	Desktop note counters and note scanners Other currency and coin handling machines Other	No. No. No.			

•	Stat. Suf-	Article Description	Unit of		Rates of Duty	2
Subneading	fix	Article Description	or Quantity	General	Special	
3473 3473.10		Parts and accessories (other than covers, carrying cases and the like) suitable for use solely or principally with machines of headings 8469 to 8472: Parts and accessories of the machines of heading 8469: Parts:				
3473.10.20 3473.10.40	00 00	Of word processing machines: Printed circuit assemblies Other	x	Free 2%	Free (A,CA,E,IL,J,	45% 45%
3473.10.60	00	Other	x	2%	JO,MX) Free (A,CA,E,IL,J,	45%
3473.10.90	00	Other	x	2%	JO,MX) Free (A,CA,E,IL,J, JO,MX)	45%
3473.21.00	00	Parts and accessories of the machines of heading 8470: Of the electronic calculating machines of subheading 8470.10, 8470.21 or 8470.29	X	Free	JO,IVIA)	35%
3473.29.00 3473.30	00	OtherParts and accessories of the machines of	x	Free		35%
3473.30.10	40	heading 8471: Not incorporating a cathode ray tube: Printed circuit assemblies		Free		35%
473.30.20	80 00	Other	x x	Free		35%
3473.30.30	00	Other parts for printers, specified in additional U.S. note 2 to this chapter	x	Free		35%
3473.30.50	00	Other Other:	x	Free		35%
3473.30.60	00	Other parts for printers, specified in additional U.S. note 2 to this chapter	x	Free		35%
3473.30.90 3473.40	00	Other Parts and accessories of the machines of heading 8472:	x	Free		35%
3473.40.10	00	Printed circuit assemblies for automatic teller machines of subheading 8472.90.10	x	Free		35%
473.40.60	00	Parts and accessories of the goods of subheading 8472.90.70	x	Free		35%
473.40.80	00	Parts and accessories of the goods of subheading 8472.90.80	x	Free		25%
3473.40.85	00	Other	X	1.9%	Free (A,CA,E,IL,J, JO,MX)	35%
473.50		Parts and accessories equally suitable for use with machines of two or more of the headings 8469 to 8472:			33,1417	
3473.50.30 3473.50.60		Printed circuit assemblies				35% 35%
3473.50.90	00	Other				35%

Heading/	Stat.	A	Unit		Rates of Duty	T -
Subheading	Suf- fix	Article Description	of Quantity	General	1 Special	2
3474		Machinery for sorting, screening, separating, washing,	Quartity	00.1014.	Operia.	
		crushing, grinding, mixing or kneading earth, stone, ores				
		or other mineral substances, in solid (including powder or				
		paste) form; machinery for agglomerating, shaping or				
		molding solid mineral fuels, ceramic paste, unhardened				
		cements, plastering materials or other mineral products				
		in powder or paste form; machines for forming foundry molds of sand; parts thereof:				
3474.10.00		Sorting, screening, separating or washing machines		Free		35%
1474.10.00	10	Portable		1166		33 70
	90	Stationary				
3474.20.00		Crushing or grinding machines		Free		35%
	10	Portable	No.			
		Stationary:				
	50	Crushing				
	70	Other	No.			
3474.31.00	00	Mixing or kneading machines:	Nia			250/
3474.31.00 3474.32.00		Concrete or mortar mixers	No	Free		35%
414.32.00	00	bitumen	No	Free		35%
		Ditamen	140	1166		3370
3474.39.00	00	Other	No	Free		35%
3474.80.00	1	Other machinery				35%
		·				
		For agglomerating, shaping or molding solid				
		mineral fuels, ceramic paste, unhardened				
		cements, plastering materials or other mineral				
	40	products in powder or paste form:				
	10	Designed for use with ceramic paste,	No			
		unhardened cements and plastering materials.	No.			
	15	Other	No.			
	20	Machines for forming foundry molds of sand	No.			
	80	Other				
3474.90.00		Parts		Free		35%
	10	Of sorting, screening, separating or washing				
		machines	X			
		0, 1, 1, 1,				
	20	Of crushing or grinding machines				
	50 90	Of mixing or kneading machines	X			
	90	Other	^			
						1
						1
						1
						1
						1
						1
						1
						1
						1
						1
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	Stat.		Unit		Rates of Duty	
Subheading	Suf-	Article Description	of Overatity	Constal	1 Chariel	2
3475	fix	Machines for assembling electric or electronic lamps,	Quantity	General	Special	
		tubes or flashbulbs, in glass envelopes; machines for manufacturing or hot working glass or glassware; parts thereof:				
3475.10.00	00	Machines for assembling electric or electronic lamps, tubes or flashbulbs, in glass envelopes	No	Free		35%
3475.21.00	00	Machines for manufacturing or hot working glass or glassware: Machines for making optical fibers and preforms thereof	Free		250/	
47F 00 00	00		No	Гто o	35%	250/
3475.29.00 3475.90		Other Parts:	NO	Free		35%
475.90.10	00	Of machines for assembling electric or electronic lamps, tubes or flashbulbs, in glass envelopes	X	Free		35%
475.90.90	00	Other	X	Free		35%
3476		Automatic goods-vending machines (for example, postage stamp, cigarette, food or beverage machines), including money-changing machines; parts thereof: Automatic beverage-vending machines:				
	00	Incorporating heating or refrigerating devices	No No	Free Free		35% 35%
	00	Other Other machines:				
3476.89.00	00 00	Incorporating heating or refrigerating devices Other		Free Free		35% 35%
3476.90.00	00	Parts	Χ	Free		35%

Stat.		Unit		Rates of Duty	84-83
Suf-	Article Description	of		1	2
fix	Manking on the condition with an exclusive control of	Quantity	General	Special	
	manufacture of products from these materials, not specified or included elsewhere in this chapter; parts thereof:				
00 00 00	For manufacturing shoes For use in the manufacture of video laser discs				Free 35%
	semiconductors	No	Free		35%
	Other		3.1%	Free (A,CA,E,IL,J, JO,MX)	35%
15	Of a type used for processing rubber or other thermosetting materials	No.		. ,	
30	Of a type used for processing thermoplastics: With a clamp force less than 50 tons	No.			
40	With a clamp force equal to or greater than 50 tons and less than 300 tons	No.			
50	With a clamp force equal to or greater than 300 tons and less than 750 tons	No.			
60		-	3.1%	Free (A.CA.E.IL.J.	35%
	Of a type used for processing rubber or other			JÓ,MX)	
05 15	Single screw	No. No.			
35 45	Less than 6.4 cm	No. No.			
55 65	With a screw size less than 6.4 cm With a screw size 6.4 cm or greater	No.	0.40/		050/
00	Vacuum-molding machines and other thermoforming	NO	3.1%	JO,MX)	35%
00	machines: Transfer molding and compression molding machines for encapsulation in the assembly of				
	semiconductors	No	Free		35%
00	Other	No	3.1%	Free (A,CA,E,IL,J, JO,MX)	35%
	00 00 00 15 35 65 00 00 00	Machinery for working rubber or plastics or for the manufacture of products from these materials, not specified or included elsewhere in this chapter; parts thereof: Injection-molding machines: For manufacturing shoes For use in the manufacture of video laser discs For encapsulation in the assembly of semiconductors Other Of a type used for processing rubber or other thermosetting materials Of a type used for processing thermoplastics: With a clamp force equal to or greater than 50 tons and less than 300 tons With a clamp force equal to or greater than 300 tons and less than 750 tons With a clamp force equal to or greater than 750 tons Extruders Of a type used for processing rubber or other thermosetting materials: Single screw Other, including multiple screw Of a type used for processing thermoplastics: Single screw, with a screw size: Less than 6.4 cm 6.4 cm or greater Other, including multiple screw: With a screw size less than 6.4 cm With a screw size less than 6.4 cm With a screw size 6.4 cm or greater Blow-molding machines Vacuum-molding machines and other thermoforming machines: Transfer molding and compression molding machines for encapsulation in the assembly of semiconductors	Suffix Machinery for working rubber or plastics or for the manufacture of products from these materials, not specified or included elsewhere in this chapter; parts thereof: Injection-molding machines: For manufacturing shoes For manufacturing shoes For use in the manufacture of video laser discs For encapsulation in the assembly of semiconductors Other 15 Of a type used for processing rubber or other thermosetting materials With a clamp force less than 50 tons With a clamp force equal to or greater than 50 tons and less than 300 tons With a clamp force equal to or greater than 300 tons and less than 750 tons With a clamp force equal to or greater than 300 tons and less than 750 tons With a clamp force equal to or greater than 300 tons and less than 750 tons Of a type used for processing rubber or other thermosetting materials: Single screw Of a type used for processing rubber or other thermosetting materials: Single screw Other, including multiple screw Of a type used for processing thermoplastics: Single screw, with a screw size: Less than 6.4 cm Other, including multiple screw: With a screw size less than 6.4 cm No. Other, including multiple screw: With a screw size less than 6.4 cm No. With a screw size less than 6.4 cm No. With a screw size less than 6.4 cm No. With a screw size less than 6.4 cm No. With a screw size less than 6.4 cm No. With a screw size less than 6.4 cm No. With a screw size less than 6.4 cm No. With a screw size less than 6.4 cm No. With a screw size less than 6.4 cm No. No. Vacuum-molding machines Transfer molding and compression molding machines: Transfer molding and compression molding machines for encapsulation in the assembly of semiconductors	Machinery for working rubber or plastics or for the manufacture of products from these materials, not specified or included elsewhere in this chapter; parts thereof: Injection-molding machines: For use in the manufacture of video laser discs For use in the manufacture of video laser discs For encapsulation in the assembly of semiconductors Other Of a type used for processing rubber or other thermosetting materials With a clamp force equal to or greater than 300 tons and less than 300 tons With a clamp force equal to or greater than 300 tons and less than 750 tons With a clamp force equal to or greater than 300 tons and less than 750 tons With a clamp force equal to or greater than 300 tons and less than 750 tons Of a type used for processing rubber or other thermosetting materials: Single screw Of a type used for processing thermoplastics: Single screw, with a screw size: Less than 6.4 cm No. Of a type used for processing thermoplastics: Single screw, with a screw size: Less than 6.4 cm No. Other, including multiple screw: With a screw size less than 6.4 cm No. Other, including multiple screw: With a screw size less than 6.4 cm No. Blow-molding machines and other thermoforming machines: Transfer molding and compression molding machines for encapsulation in the assembly of semiconductors No. Free General General Read Screw in the manufacture of video laster; No. No. Free Free Free Free Free Free Free Fr	Surfix Article Description of Quantity General Special Machinery for working rubber or plastics or for the manufacture of products from these materials, not specified or included elsewhere in this chapter; parts thereof: Injection-molding machines: OFOR The manufacturing shoes Service Servic

Article Description Chinnery for working rubber or plastics or for the nufacture of products from these materials, not cified or included elsewhere in this chapter; ts thereof (con.) Other machinery for molding or otherwise forming: For molding or retreading pneumatic tires or for molding or otherwise forming inner tubes For molding or retreading pneumatic tires Other: Liquid encapsulate molding machines for encapsulation in the assembly of semiconductors Other: Other Other machinery Parts: Base, bed, platen, clamp cylinder, ram, and injection castings, weldments and fabrications: Of machines of subheading 8477.10.70, 8477.40.40 or 8477.59.40 Other Of machines of subheading 8477.10.30, 8477.10.40 or 8477.10.90	No. No	Free 3.1% 3.1% Free	Free (A,CA,E,IL, J, JO,MX) Free (A,CA,E,IL,J, JO,MX) Free (A,CA,E,IL,J, JO,MX) Free (A,CA,E,IL,J, JO,MX)	35% 35% 35% 35% 35%
nufacture of products from these materials, not cified or included elsewhere in this chapter; ts thereof (con.) Other machinery for molding or otherwise forming: For molding or retreading pneumatic tires or for molding or otherwise forming inner tubes For molding or retreading pneumatic tires Other Other: Liquid encapsulate molding machines for encapsulation in the assembly of semiconductors Other Other Other Other machinery Parts: Base, bed, platen, clamp cylinder, ram, and injection castings, weldments and fabrications: Of machines of subheading 8477.10.70, 8477.40.40 or 8477.59.40 Other Of machines of subheading 8477.10.30, 8477.10.40 or 8477.10.90	No	3.1% Free 3.1% 3.1%	Free (A*,CA,E,IL, J,JO,MX) Free (A,CA,E,IL,J, JO,MX) Free (A,CA,E,IL,J, JO,MX)	35% 35% 35%
nufacture of products from these materials, not cified or included elsewhere in this chapter; ts thereof (con.) Other machinery for molding or otherwise forming: For molding or retreading pneumatic tires or for molding or otherwise forming inner tubes For molding or retreading pneumatic tires Other Other: Liquid encapsulate molding machines for encapsulation in the assembly of semiconductors Other Other Other Other machinery Parts: Base, bed, platen, clamp cylinder, ram, and injection castings, weldments and fabrications: Of machines of subheading 8477.10.70, 8477.40.40 or 8477.59.40 Other Of machines of subheading 8477.10.30, 8477.10.40 or 8477.10.90	No. No	Free 3.1% 3.1% Free	J,JO,MX) Free (A,CA,E,IL,J, JO,MX) Free (A,CA,E,IL,J, JO,MX)	35% 35% 35%
For molding or retreading pneumatic tires Other: Liquid encapsulate molding machines for encapsulation in the assembly of semiconductors Other: Other Other machinery Parts: Base, bed, platen, clamp cylinder, ram, and injection castings, weldments and fabrications: Of machines of subheading 8477.10.70, 8477.40.40 or 8477.59.40 Other Of machines of subheading 8477.10.30, 8477.10.40 or 8477.10.90	No. No	Free 3.1% 3.1% Free	J,JO,MX) Free (A,CA,E,IL,J, JO,MX) Free (A,CA,E,IL,J, JO,MX)	35% 35% 35%
Other: Cither: Liquid encapsulate molding machines for encapsulation in the assembly of semiconductors Other: Other: Other machinery: Parts: Base, bed, platen, clamp cylinder, ram, and injection castings, weldments and fabrications: Of machines of subheading 8477.10.70, 8477.40.40 or 8477.59.40. Other: Of machines of subheading 8477.10.30, 8477.10.40 or 8477.10.90.	No	3.1% 3.1% Free	JO,MX) Free (A,CA,E,IL,J, JO,MX) Free (A,CA,E,IL,J,	35% 35% 35%
encapsulation in the assembly of semiconductors Other Other machinery Parts: Base, bed, platen, clamp cylinder, ram, and injection castings, weldments and fabrications: Of machines of subheading 8477.10.70, 8477.40.40 or 8477.59.40 Other Of machines of subheading 8477.10.30, 8477.10.40 or 8477.10.90	No	3.1% 3.1% Free	JO,MX) Free (A,CA,E,IL,J, JO,MX) Free (A,CA,E,IL,J,	35% 35% 35%
Other machinery Parts: Base, bed, platen, clamp cylinder, ram, and injection castings, weldments and fabrications: Of machines of subheading 8477.10.70, 8477.40.40 or 8477.59.40 Other Of machines of subheading 8477.10.30, 8477.10.40 or 8477.10.90	No	3.1% Free	JO,MX) Free (A,CA,E,IL,J, JO,MX) Free (A,CA,E,IL,J,	35% 35%
Parts: Base, bed, platen, clamp cylinder, ram, and injection castings, weldments and fabrications: Of machines of subheading 8477.10.70, 8477.40.40 or 8477.59.40	x	Free	Free (A,CA,E,IL,J, JO,MX)	35%
Base, bed, platen, clamp cylinder, ram, and injection castings, weldments and fabrications: Of machines of subheading 8477.10.70, 8477.40.40 or 8477.59.40			Free (A,CA,E,IL,J,	
8477.40.40 or 8477.59.40				
Of machines of subheading 8477.10.30, 8477.10.40 or 8477.10.90		3.1%		35%
8477.10.40 or 8477.10.90	х	I		Ĩ
Other				
Barrel screws:	Х			
Of machines of subheading 8477.10.70, 8477.40.40 or 8477.59.40	X	Free		35%
Other		3.1%	Free (A,CA,E,IL,J, JO,MX)	35%
Of machines of subheading 8477.10.30, 8477.10.40 or 8477.10.90	х		JO,IVIX)	
Other				
Of machines of subheading 8477.10.70, 8477.40.40 or 8477.59.40	x	Free		35%
Other	x	3.1%	Free (A,CA,E,IL,J, JO,MX)	35%
Other: Of machines of subheading 8477.10.70, 8477.40.40 or 8477.59.40	x	Free		35%
Other		3.1%	Free (A,CA,E,IL,J, JO.MX)	35%
Other	X X X		1,,	
	Other: Of machines of subheading 8477.10.70, 8477.40.40 or 8477.59.40 Other Of injection-molding machines: For manufacturing shoes Other Of extruders Of blow-molding machines Of machines for forming pneumatic tires	Other: X Other: Of machines of subheading 8477.10.70, 8477.40.40 or 8477.59.40 X	Other: Of machines of subheading 8477.10.70, 8477.40.40 or 8477.59.40	Other: Of machines of subheading 8477.10.70, 8477.40.40 or 8477.59.40 Other Of injection-molding machines: For manufacturing shoes Other Of extruders Of machines for forming pneumatic tires X 3.1% Free (A,CA,E,IL,J, JO,MX) Free (A,CA,E,IL,J, JO,MX)

Heading/	Stat.		Unit		Rates of Duty	84-8
	Suf-	Article Description	of		1	2
	fix	·	Quantity	General	Special	
8478		Machinery for preparing or making up tobacco, not specified or included elsewhere in this chapter; parts thereof:				
8478.10.00	10 90	Machinery	No.	Free		35%
8478.90.00	10 90	Parts	X X	Free		35%
3479 3479.10.00		Machines and mechanical appliances having individual functions, not specified or included elsewhere in this chapter; parts thereof: Machinery for public works, building or the like		Free		35%
3479.20.00	40 60 80 00	spreaders: For concrete For bituminous material Other Machinery for the extraction or preparation of animal	No.			
147 9.20.00	00	or fixed vegetable fats or oils	No	Free		35%
3479.30.00	00	Presses for the manufacture of particle board or fiber building board of wood or other ligneous materials and other machinery for treating wood or cork	No	Free		35%
3479.40.00 3479.50.00		Rope or cable-making machines	No No		Free (A,CA,E,IL,J, JO,MX)	35% 35%
3479.60.00	00	Evaporative air coolers	No	2.8%	Free (A,CA,E,IL,J, JO,MX)	40%
3479.81.00	00	Other machines and mechanical appliances: For treating metal, including electric wire coil-winders	No	Free		35%
8479.82.00 8479.89	40 80	Mixing, kneading, crushing, grinding, screening, sifting, homogenizing, emulsifying or stirring machines	No. No.	Free		35%
3479.89.10	00	self-contained electric motor: Air humidifiers or dehumidifiers	No	Free		40%
3479.89.20 3479.89.30	40	Floor polishers	No 	Free Free		35% 35%
3479.89.55	80 00	Other Trash compactors	No. No	2.8%	Free (A,CA,E,IL,J, JO,MX)	40%
3479.89.65	00	Other	X	2.8%	Free (A,C 1/,CA,E, IL,J,JO,MX)	40%
8479.89.70	00	Carpet sweepers	No	Free	IL,3,3O,IVIX)	35%
<u>1</u> / See add	ition	al U.S. note 1 to this chapter.				

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84-86						
	Stat.		Unit		Rates of Duty	
	Suf-	Article Description	of		1	2
3	fix		Quantity	General	Special	
3479 (con.)		Machines and mechanical appliances having individual functions, not specified or included elsewhere in this chapter; parts thereof (con.): Other machines and mechanical appliances (con.):				
3479.89 con.)		Other (con.):				
3479.89.84	72	Other: Machines for processing of semiconductor materials; machines for production and assembly of diodes, transistors and similar semiconductor devices and electronic integrated circuits; machines for the manufacturing of video laser discs Apparatus designed to grow monocrystal semiconductor boules (crystal growers and pullers)		Free		35%
	74	Machines (spinners) designed to coat photographic emulsions on semiconductor wafers	No.			
	76	Chemical vapor deposition (CVD) apparatus including low pressure and plasma enhanced systems	No.			
3479.89.87	90 00	Other	No	Free		35%
3479.89.96	00	Printing machines other than those of heading 8443, 8471 or 8472	No	Free		25%
3479.89.98		Other		2.5% <u>1</u> /	Free (A,B,C <u>2</u> /,CA, E,IL,J,JO,MX)	35%
	50	Oil and gas field wireline and downhole equipment	No.			
	60 65 85 95 97	Automotive maintenance machines Hydraulic accumulators	No.			
1/ See sub 2/ See add	head ition	dings 9817.84.01, 9902.84.00, 9902.84.16 and 9902.84.30. Hal U.S. note 1 to this chapter.				

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Heading/	Stat.		Unit		Rates of Duty	84
•	Suf-	Article Description	of		1	2
	fix	•	Quantity	General	Special	
3479 con.)		Machines and mechanical appliances having individual functions, not specified or included elsewhere in this chapter; parts thereof (con.):				
3479.90 3479.90.40	00	Parts: Of articles of subheading 8479.89.10, 8479.89.30 or 8479.89.70	x	Free		35%
3479.90.45	00	Of trash compactors: Frame assemblies incorporating more than one of the following: baseplate; side frames; power screws; front plates	x	Free		35%
479.90.55	00	Ram assemblies incorporating a ram wrapper and/or ram cover	x	Free		35%
3479.90.65	00	Container assemblies incorporating more than one of the following: container bottom;	V	5		050/
3479.90.75	00	container wrapper, slide track; container front . Cabinets or cases	x			35% 35%
3479.90.85 3479.90.94	00	Other Other		Free Free		35% 35%
147 9.90.94	40	Of industrial robots		1166		33 %
	50	Of machinery for public works, building or the like	Х			
	60	Of presses for the manufacture of particle board or fiber building board of wood or other ligneous materials and other machinery for treating wood or cork	X			
	65	Of machines or mechanical appliances for treating metal				
	95	Other	Х			

84-88					·	
•	Stat.		Unit		Rates of Duty	
Subheading	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	
8480		Molding boxes for metal foundry; mold bases; molding patterns; molds for metal (other than ingot molds), metal				
		carbides, glass, mineral materials, rubber or plastics:				
8480.10.00	\cap	Molding boxes for metal foundry	No	2 00/	Free (A,CA,E,IL,J,	45%
0400.10.00	00	Widding boxes for metal foundry	NO	3.0%	JO,MX)	45%
8480.20.00	00	Mold bases	No	3.4%	Free (A,CA,E,IL,J,	50%
0.00.20.00		more bases		0.170	JO,MX)	0070
8480.30.00	00	Molding patterns	No	2.8%	Free (A*,CA,E,IL,	50%
		01			J,JO,MX)	
		Molds for metal or metal carbides:				
8480.41.00	00	Injection or compression types	No	3.1%	Free (A,CA,E,IL,J,	35%
0.400.40.00		0.0	N. 1.	0.40/	JO,MX)	050/
8480.49.00	00	Other types	NO	3.1%	Free (A,CA,E,IL,J,	35%
8480.50.00		Molds for glass		Eroo	JO,MX)	35%
0400.30.00	10	Injection or compression types	No.	1166		33 /6
	90	Other types				
8480.60.00	00	Molds for mineral materials		Free		35%
	10	Injection or compression types	No.			
	90	Other types				
		Molds for rubber or plastics:				
8480.71		Injection or compression types:				
8480.71.10	00	For shoe machinery For the manufacture of semiconductor	No	Free		Free
8480.71.40	00	For the manufacture of semiconductor		_		
		devices	No	Free		35%
0400 74 00		Other		0.40/.4/		050/
8480.71.80		Otner		3.1% <u>1</u> /	Free (A,CA,E,IL,J,	35%
	20	Temporarily imported for testing,			JO,MX)	
	20	calibration, examination, repair or				
		alteration; returned after being exported				
		for testing, calibration, examination,				
		repair or alteration	No			
		repair or alteration	INO.			
		Other:				
	45	Injection type	No.			
	60	Compression type	No.			
8480.79		Other types:				
8480.79.10	00	Molds for shoe machinery	No	Free		Free
8480.79.90		Other		3.1%	Free (A,CA,E,IL,J,	35%
					JÒ,MX)	
	10	Blow molds				
	20	Bladder operated molds				
	90	Other molds	No.			
					1	
					1	
					1	
					1	
					1	
					1	
					1	
					1	
1/ See sub	hea	ding 9902.84.19.				
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XV	
84-89	

Heading/	Stat.		Unit		Rates of Duty	84-89
Subheading	Suf-	Article Description	of		1	2
0.40.4	fix		Quantity	General	Special	
8481		Taps, cocks, valves and similar appliances, for pipes, boiler shells, tanks, vats or the like, including pressure-reducing valves and thermostatically controlled valves; parts thereof:				
8481.10.00		Pressure-reducing valves		2%	Free (A,B,CA,E,IL, J,JO,MX)	35%
	20	, , , , , , , , , , , , , , , , , , , ,	No. kg			
	40	Pneumatic fluid power type: Filter-regulators and filter-regulator-lubricators.	No. kg			
	60	Other	No. kg			
0.404.00.00	90		No. kg			
8481.20.00		Valves for oleohydraulic or pneumatic transmissions		2%	Free (A,B,CA,E,IL, J,JO,MX)	35%
		Hydraulic valves: Directional control:			3,30,1VIX)	
	10	Manual type	No. kg			
	20	Solenoid type	No. kg			
	30		No. kg			
	40	Flow control type	No. kg			
	50		No. kg			
	60	Other: Directional control: Solenoid type	No.			
	70	Other	kg No. kg			
	80	Other	No. kg			
8481.30 8481.30.10		Check (nonreturn) valves: Of copper		3%	Free (A,B,CA,E,IL, J,JO,MX)	45%
	10	Having a pressure rating under 850 kPa	No. kg			
	90	Having a pressure rating of 850 kPa or over				
8481.30.20		Of iron or steel		5%	Free (A*,B,CA,E, IL,J,JO,MX)	45%
	10		No. kg			
	90	Of steel	No. kg			
8481.30.90	00	Other	kg	3%	Free (A,B,CA,E,IL, J,JO,MX)	45%
8481.40.00	00	Safety or relief valves	No kg	2%	Free (A,B,CÁ,E,IL, J,JO,MX)	35%

84-90	0		11.9	T	D.: 15:	
	Stat. Suf-	Article Description	Unit of		Rates of Duty	2
Subheading	fix	Article Description	Of Quantity	General	Special	<u> </u>
8481 (con.)		Taps, cocks, valves and similar appliances, for pipes, boiler shells, tanks, vats or the like, including pressure-reducing valves and thermostatically controlled valves; parts thereof (con.):				
8481.80		Other appliances: Hand operated:				
8481.80.10		Of copper		4%	Free (A,B,CA,E,IL,	47%
	20		No. kg		J,ĴO,MX)	
	30	,	No. kg			
	40	Supply stops	No. kg			
	50	Other	No. kg			
		Having a pressure rating of 850 kPa or over:	3			
	60	Gate type	No. kg			
	70	Globe type	No. kg			
	75	Plug type	No. kg			
	85	Ball type	No.			
	90	Butterfly type	kg No.			
	95		kg No.			
8481.80.30		Of iron or steel	kg 	5.6%	Free (A*,B,CA,E,	45%
					IL,J,MX) 2.8% (JO)	
	10	Of iron: Gate type	No.		, ,	
	15		kg No.			
	20		kg No.			
	25	Ball type	kg No.			
	30		kg No.			
	40	Other	kg No.			
		Of steel:	kg			
	55	Gate type	No. kg			
	60	Globe type	No. kg			
	65	Plug type	No.			
	70	Ball type	kg No.			
	75	Butterfly type	kg No.			
	90	Other	kg No. kg			
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XV	1
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Heading/	Stat.		Unit	<u></u>	Rates of Duty	84-
Subheading	Suf-	Article Description	of Ougatity	Constal	1	2
8481	fix	Taps, cocks, valves and similar appliances, for pipes,	Quantity	General	Special	
(con.)		boiler shells, tanks, vats or the like, including				
		pressure-reducing valves and thermostatically controlled valves; parts thereof (con.):				
3481.80		Other appliances (con.):				
con.)		· · · · · /				
3481.80.50		Hand operated (con.): Of other materials		3%	Free (A,B,CA,E,IL,	45%
	40				J,JO,MX)	
	40	Pressure spray can valves	No. kg			
	60	Bath, shower, sink and lavatory faucets	No.			
	90	Other	kg No.			
			kg	00/	F (4+ D O 4 F	0.507
3481.80.90		Other		2%	Free (A*,B,CA,E, IL,J,JO,MX)	35%
	05	Solenoid valves	No.		12,0,00,11111,	
	10 15	Ballcock mechanisms	No.			
	10	controlling variables such as temperature,				
		pressure, flow and liquid level	No.			
		Other:				
		With electrical or electro-hydraulic actuators:				
	20	Control valves designed for				
		proportional operation by a signal	No			
		from a control device	No.			
	25	Other	No.			
	30	With hydraulic actuators	No.			
	35	Control valves designed for				
		proportional operation by a signal from a control device	No.			
	40 45	Other	No. No.			
	50	Other	No.			
3481.90		Parts: Of hand operated and check appliances:				
3481.90.10	00	Of copper	kg	3%	Free (A,B,CA,E,IL,	47%
3481.90.30	00	Of iron or steel	ka	5%	J,JO,MX) Free (A*,B,CA,E,	45%
					IL,J,JO,MX)	
8481.90.50	00	Of other materials	kg	3%	Free (A,B,CA,E,IL, J,JO,MX)	45%
8481.90.90		Other		Free	J,JO,IVIA)	35%
	20	Of valves of subheading 8481.20: Valve bodies	ka			
	40	Other	_			
	60	Other: Valve bodies				
	80	Other	. •			
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84-92						
Heading/	Stat.		Unit		Rates of Duty	
Subheading	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	
8482		Ball or roller bearings, and parts thereof:				
8482.10		Ball bearings:			_	
8482.10.10		Ball bearings with integral shafts		2.4%	Free (A+,B,CA,D,	35%
					E,IL,J,JO) 0.4% (MX)	
	40	Bearings having an outside diameter not			0.4% (IVIX)	
	70	over 30 mm	No.			
		0.0.00	kg			
	80	Other	No.			
			kg			
8482.10.50		Other		9%	Free (A+,B,CA,D,	67%
					E,ÎL,J) 1.1% (MX)	
					4.5% (JO)	
	04	Unground bearings	No		4.570 (50)	
	0.1	Other:	140.			
	08	Thrust bearings	No.			
		3	kg			
	12	Linear bearings	No.			
			kg			
		Angular contact bearings:				
	40	Wheel hub bearings units:	NI-			
	16	Flanged	No. kg			
	24	Other	No.			
	27	Othor	kg			
	28	Other	No.			
			kg			
		Radial bearings:				
		Single row bearings:				
	32	Maximum or full capacity type	No.			
		Other bearings, having an outside	kg			
		diameter of:				
	36	Under 9 mm	No.			
	00	Chack a filling a second and a second a	kg			
	44	9 mm and over but not over	3			
		30 mm No.				
			kg			
	40	0 00 1 . 1 1				
	48	Over 30 mm but not over 52 mm No.				
		52 IIIII NO.	kg			
			Ng			
	52	Over 52 mm but not over				
	_	100 mm	No.			
			kg	ĺ		
				1		
	56	Over 100 mm	No.			
	60	Double row ball bearings	kg No.			
	υU	Double fow ball bearings	kg	ĺ		
	64	Other	No.	1		
		<u> </u>	kg			
	68	Other	No.			
			kg	ĺ		
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81-03	

Heading/	Stat.		Unit		Rates of Duty	84-93
	Suf-	Article Description	of		1	2
0.400	fix	Dell or reliant covings and not offer the conference	Quantity	General	Special	
8482 (con.)		Ball or roller bearings, and parts thereof (con.):				
8482.20.00		Tapered roller bearings, including cone and tapered roller assemblies		5.8%	From (A L B C A D	67%
		Toller assemblies		5.6%	Free (A+,B,CA,D, E,IL,J)	07 76
					0.6% (MX) 2.9% (JO)	
		Cup and cone assemblies entered as a set:			2.970 (00)	
	20	Wheel hub units: Flanged	No.			
			kg			
	30	Other	No. kg			
	40	Other: With cups having an outside diameter				
	40	not exceeding 102 mm	No.			
	60	Other	kg No.			
	00	Oulei	kg			
		Cone assemblies entered separately:				
	70	For cups having an outside diameter not	NI.			
		exceeding 102 mm	No. kg			
	80	Other	No.			
8482.30.00		Spherical roller bearings	kg 	5.8%	Free (A,B,CA,E,	67%
		3			IL,J)	
					0.6% (MX) 2.9% (JO)	
	40	Single row	No. kg		, ,	
	80	Other	No.			
8482.40.00	00	Needle roller bearings	kg No	5.8%	Free (A,B,CA,E,	67%
0102.10.00	00	1400dio Folior Bodinigo	kg	0.070	IL,J)	07 70
					0.6% (MX) 2.9% (JO)	
8482.50.00	00	Other cylindrical roller bearings		5.8%	Free (A,B,CA,E,	67%
			kg		IL,J) 0.6% (MX)	
8482.80.00		Other, including combined ball/roller bearings		5 90/	2.9% (JO)	67%
0402.00.00		Other, including combined ball/folier bearings		3.676	Free (A,B,CA,E, IL,J)	07 70
					0.6% (MX) 2.9% (JO)	
	20	Combined ball and spherical roller bearings	No.		2.070 (00)	
	40	Combined ball and needle roller bearings	kg No.			
	60	Combined ball and other cylindrical roller bearings.	kg No.			
			kg			
	80	Other	No. kg			
			9			
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84-94						
Heading/	Stat.		Unit		Rates of Duty	
Subheading	Suf-	Article Description	of Quantity	Concret	1 Special	2
0.400	fix		Quantity	General	Special	
8482 (con.)		Ball or roller bearings, and parts thereof (con.):				
(0011.)		Parts:				
8482.91.00		Balls, needles and rollers		4.4%	Free (A+,B,CA,D,	45%
					E,IL,J,JO)	
		Balls:			0.4% (MX)	
	10	Of alloy steel	ka			
	20	Other				
	40	Needles	kg			
	50	Tapered rollers				
	70	Spherical rollers				
	80 90	Other cylindrical rollers				
8482.99	30	Other:	Ng			
		Inner or outer rings or races:				
8482.99.05	00			9.9%	Free (A+,B,CA,D,	67%
			kg		E,IL,J)	
					1.1% (MX) 4.9% (JO)	
8482.99.15		For tapered roller bearings		5.8%	Free (A+,B,CA,D,	67%
		2000			E,IL,J)	
					0.6% (MX)	
	40	Cupa	No		2.9% (JO)	
	40	Cups	No. kg			
	80	Other	No.			
		• • • • • • • • • • • • • • • • • • • •	kg			
8482.99.25		Other		5.8%	Free (A+,B,CA,D,	67%
					E,IL,J)	
					0.6% (MX) 2.9% (JO)	
	20	For spherical roller			2.9% (30)	
	20	bearings	No.			
		-	kg			
	40	For needle bearings	No.			
	60	For other cylindrical	kg			
	00	roller bearings	No.			
		Tollor boarings	kg			
	80	Other	No.			
		Othor	kg		1	
8482.99.35	ΩΩ	Other: Parts of ball bearings (including parts of			1	
UTUL.33.33	50	ball bearings with integral shafts)	kg	9.9%	Free (A+,B,CA,D,	67%
					E,IL,J)	/-
					1.1% (MX)	
0.400.00.45	00	Doub of toward willed by the con-	1.0	F 00/	4.9% (JO)	C70/
8482.99.45	UU	Parts of tapered roller bearings	кд	ე.გ%	Free (A+,B,CA,D, E,IL,J)	67%
					0.6% (MX)	
					2.9% (JO)	
8482.99.65		Other		5.8%	Free (A+,B,CA,D,	67%
					E,IL,J)	
					0.6% (MX) 2.9% (JO)	
	10	For spherical roller bearings	kg		, (00)	
	30	For needle bearings	kg		1	
	60	For other cylindrical roller bearings				
	95	Other	кд			
					1	
					1	
					1	
					1	

XVI	
84-95	

Heading/	Stat.		Unit		Rates of Duty	84-
Subheading	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	
3483		Transmission shafts (including camshafts and crankshafts)				
		and cranks; bearing housings, housed bearings and plain shaft bearings; gears and gearing; ball or roller screws;				
		gear boxes and other speed changers, including torque				
		converters; flywheels and pulleys, including pulley blocks;				
		clutches and shaft couplings (including universal joints);				
		parts thereof:				
3483.10		Transmission shafts (including camshafts and				
7400.10		crankshafts) and cranks:				
		Camshafts and crankshafts:				
3483.10.10		Designed for use solely or principally with				
		spark-ignition internal combustion piston				
		engines or rotary engines		2.5%	Free (A,B,C,CA,E,	35%
		J , J			IL,J,JO,MX)	
		For vehicles of chapter 87:				
	10	For motorcycles	No.			
		•	kg			
	30	Other	No.			
			kg			
	50	Other				
			kg			
3483.10.30		Other		2.5%	Free (A,B,C,CA,E,	35%
					IL,J,JO,MX)	
	10	For vehicles of chapter 87				
		0.11	kg			
	50	Other				
100 10 50		0.0	kg			000/
3483.10.50	00	Other transmission shafts and cranks	кд	Free		30%
3483.20		Housed bearings, incorporating ball or roller bearings:		4.50/		450/
3483.20.40		Flange, take-up, cartridge and hanger units		4.5%	Free (A,CA,E,IL,J,	45%
	40	Incorporating hall bearings	No		JO,MX)	
	80	Incorporating ball bearings	No.			
3483.20.80	80	Other		4.5%	Free (A+,CA,D,E,	45%
3403.20.00		Otilei		4.570	IL,J,JO)	4370
					0.5% (MX)	
	40	Incorporating ball bearings	No		0.070 (14174)	
	80	Incorporating roller bearings	No.			
3483.30		Bearing housings; plain shaft bearings:				
3483.30.40		Flange, take-up, cartridge and hanger units		4.5%	Free (A,C,CA,E,IL,	45%
		3 / 1 / 3			J,JO,MX)	
	40	Ball or roller bearing type	kg			
	80	Other	kg			
3483.30.80		Other		4.5%	Free (A+,C,CA,D,	45%
					E,IL,J,JO,MX)	
		Bearing housings:				
	20	Ball or roller bearing type				
	40	Other	kg			
		Plain shaft bearings:				
		With housing:	Na			
	55	Rod end bearings	No.			
	e r	Other	kg			
	65	Other	No.			
		Without housing:	kg			
	70	Spherical	No.			
	, 0	ορποποαί	kg			
	90	Other	No.			
		Outof	kg			
			· · · · · ·			
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84-96	04 :		11.2	1	D-4 (D)	
	Stat.		Unit		Rates of Duty	
Subheading	Suf- fix	Article Description	of Quantity	General	1 Special	2
8483		Transmission shafts (including camshafts and crankshafts)			·	
(con.)		and cranks; bearing housings, housed bearings and plain				
` ,		shaft bearings; gears and gearing; ball or roller screws;				
		gear boxes and other speed changers, including torque				
		converters; flywheels and pulleys, including pulley blocks;				
		clutches and shaft couplings (including universal joints);				
		parts thereof (con.):				
8483.40		Gears and gearing, other than toothed wheels, chain				
		sprockets and other transmission elements entered				
		separately; ball or roller screws; gear boxes and				
		other speed changers, including torque converters:				
8483.40.10	00	Torque converters	No	Free		27.5%
		Gear boxes and other speed changers:				
		Fixed ratio speed changers, multiple and				
		variable ratio speed changers each ratio of				
		which is selected by manual manipulation:				
8483.40.30		Imported for use with machines for making				
		cellulosic pulp, paper or paperboard		Free		27.5%
	40	Fixed ratio speed changers	No.			
	80	Other				
8483.40.50		Other		2.5%	Free (A,C,CA,E,IL,	27.5%
					J,JO,MX)	
	10	Fixed ratio speed changers	No.		,	
	50	Other	No.			
8483.40.70	00	Other speed changers No	25¢ each -	+	Free (A,C,CA,E,IL,	\$4.50 each
		·		3.9%	J,JO,MX)	+ 65%
8483.40.80	00	Ball or roller screws	Χ	3.8%	Free (A,B,C,CA,E,	45%
					IL,J,JO,MX)	
8483.40.90	00	Gears and gearing, other than toothed wheels,				
		chain sprockets and other transmission elements				
		entered separately	Χ	2.5%	Free (A,B,C,CA,E,	27.5%
					IL,J,JO,MX)	
8483.50		Flywheels and pulleys, including pulley blocks:				
8483.50.40	00	Gray-iron awning or tackle pulleys, not over				
		6.4 cm in wheel diameter	Χ	5.7%	Free (A,C,CA,E,IL,	45%
					J,MX)	
					2.8% (JO)	
		Other:	.,			
8483.50.60	00	Flywheels	Х	2.8%	Free (A,B,C,CA,E,	45%
0.400 =0.00		0.1		0.007	IL,J,JO,MX)	450/
8483.50.90		Other		2.8%	Free (A,B,C,CA,E,	45%
	40				IL,J,JO,MX)	
	40	Grooved pulleys	X			
0.400.00	80	Other	X			
8483.60		Clutches and shaft couplings (including universal				
0400 60 40		joints):		2 99/	Fron (A D C CA F	450/
8483.60.40		Clutches and universal joints		2.8%	Free (A,B,C,CA,E,	45%
	40	Clutches	No		IL,J,JO,MX)	
	40 80	Clutches	No. No.		1	1
8483.60.80	00	Other		2.8%	Free (A+,B,C,CA,	45%
0403.00.00	00	Otilei	^	2.070	D,E,IL,J,JO,	45 /0
					MX)	
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84-97	

Heading/	Stat.		Unit		Rates of Duty	84-
	Suf-	Article Description	of		1	2
	fix		Quantity	General	Special	
8483 (con.)		Transmission shafts (including camshafts and crankshafts) and cranks; bearing housings, housed bearings and plain shaft bearings; gears and gearing; ball or roller screws; gear boxes and other speed changers, including torque converters; flywheels and pulleys, including pulley blocks; clutches and shaft couplings (including universal joints); parts thereof (con.):				
3483.90		Toothed wheels, chain sprockets and other transmission elements presented separately; parts:				
3483.90.10		Chain sprockets and parts thereof		2.8%	Free (A,B,C,CA,E, IL,J,JO,MX)	45%
	10 50	Forged Other Parts of bearing housings and plain shaft bearings:				
3483.90.20	00	Parts of flange, take-up, cartridge and hanger units	x	4.5%	Free (A,C,CA,E,IL,	45%
3483.90.30	00	Other	x	4.5%	J,JO,MX) Free (A+,C,CA,D, E,IL,J,JO,MX)	45%
3483.90.50	00	Parts of gearing, gear boxes and other speed changers	x	2.5%	Free (A,B,C,CA,E, IL,J,JO,MX)	27.5%
3483.90.70	00	Other: Parts of articles of subheading 8483.20	x	5.5%	Free (A+,CA,D,E, IL,J,MX)	45%
3483.90.80		Other		2.8%	2.7% (JO) Free (A+,B,C,CA, D,E,IL,J,JO, MX)	45%
	10 40 80	Parts of articles of subheading 8483.60.80 . Parts of universal joints	X X X			
3484 3484.10.00	00	Gaskets and similar joints of metal sheeting combined with other material or of two or more layers of metal; sets or assortments of gaskets and similar joints, dissimilar in composition, put up in pouches, envelopes or similar packings; mechanical seals: Gaskets and similar joints of metal sheeting combined with other material or of two or more layers of metal	v	0.50/	Francis A B C CA F	250/
3484.20.00	00	Mechanical seals			Free (A,B,C,CA,E, IL,J,JO,MX) Free (A,B,CA,E,IL,	
3484.90.00		Other			J,JO,MX) Free (A,B,C,CA,E, IL,J,JO,MX)	
3485		Machinery parts, not containing electrical connectors, insulators, coils, contacts or other electrical features, and			IL,J,JO,IVIA)	
3485.10.00		not specified or included elsewhere in this chapter: Ships' or boats' propellers and blades therefor		Free		30%
3485.90.00	40 80	Of copper	X	3.9%	Free (A,B,CA,E,IL,	45%
	40 80	Oil seals, other than those of chapter 40 Other	kg		J,JO,MX)	
	60	Other	ĸy			